Martin Professional

MAC Viper Performance



Manufacturer	**Martin Professional**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**32, 40 channels**
Beam angle	**10-44°**
Pan range	**540°**
Tilt range	**268°**
Size (W × H × D)	**326 × 555 × 259 mm**
GDTF fixture type	**ACC2CD46-CD42-4489-B0BF-C…**

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	32 ch
Extended	40 ch

Basic

32 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 Orange (wheel slot 4) 53–67 Minus Green (wheel slot 5) 68–82 Deep Magenta (wheel slot 6) 83–97 Deep Blue (wheel slot 7) 98–112 Red (wheel slot 8) 113–120 Open (wheel slot 1) 121–160 No Function 161–163 Blue (wheel slot 2) 164–166 Green (wheel slot 3) 167–169 Orange (wheel slot 4) 170–172 Minus Green (wheel slot 5) 173–175 Deep Magenta (wheel slot 6) 176–178 Deep Blue (wheel slot 7) 179–181 Red (wheel slot 8) 182–192 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
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
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

Basic (continued)

Ch	Function	Default	DMX values
10	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
11	Animation Wheel1	0	0–10 Open (wheel slot 1) 11–20 Indexing (wheel slot 2) 21–30 Open (wheel slot 1) 31–40 Rotation (wheel slot 2) 41–50 Position 1 (wheel slot 3) 51–60 Position 2 (wheel slot 4) 61–70 Position 3 (wheel slot 5) 71–80 Position 4 (wheel slot 6) 81–90 Position 5 (wheel slot 7) 91–100 Position 6 (wheel slot 8) 101–110 Position 7 (wheel slot 9) 111–255 Open (wheel slot 1)
12	Animation Wheel1Pos	128	0–2 180 deg 3–63 CCW Max 64–125 90 deg 126–126 CCW Min 127–127 Stop 128–129 0 deg 130–191 CW Min 192–252 -90 deg 253–253 CW Max 254–254 Stop 90 255–255 -180 deg
13	Blade2A	0	0–127 Min 128–254 Med 255–255 Max
14	Blade2Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
15	Blade1A	0	0–127 Min 128–254 Med 255–255 Max
16	Blade1Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
17	Blade4A	0	0–127 Min 128–254 Med 255–255 Max
18	Blade4Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
19	Blade3A	0	0–127 Min 128–254 Med 255–255 Max
20	Blade3Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
21	Shaper Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
22	Frost1	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Full

Basic (continued)

Ch	Function	Default	DMX values
23	Prism	0	0–10 Open (wheel slot 1) 11–138 Prism Index (wheel slot 2) 139–255 Prism Rotation (wheel slot 2)
24	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
25	Iris	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Closed
26	Zoom	128	0–127 Wide 128–254 Medium 255–255 Narrow
27	Focus	128	0–127 Far 128–254 Medium 255–255 Near
28	Pan	128	
29	Pan Fine	0	Fine byte of Pan
30	Tilt	128	
31	Tilt Fine	0	Fine byte of Tilt
32	Control1	0	

Extended

40 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 Orange (wheel slot 4) 53–67 Minus Green (wheel slot 5) 68–82 Deep Magenta (wheel slot 6) 83–97 Deep Blue (wheel slot 7) 98–112 Red (wheel slot 8) 113–120 Open (wheel slot 1) 121–160 No Function 161–163 Blue (wheel slot 2) 164–166 Green (wheel slot 3) 167–169 Orange (wheel slot 4) 170–172 Minus Green (wheel slot 5) 173–175 Deep Magenta (wheel slot 6) 176–178 Deep Blue (wheel slot 7) 179–181 Red (wheel slot 8) 182–192 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

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	Animation Wheel1	0	0–10 Open (wheel slot 1) 11–20 Indexing (wheel slot 2) 21–30 Open (wheel slot 1) 31–40 Rotation (wheel slot 2) 41–50 Position 1 (wheel slot 3) 51–60 Position 2 (wheel slot 4) 61–70 Position 3 (wheel slot 5) 71–80 Position 4 (wheel slot 6) 81–90 Position 5 (wheel slot 7) 91–100 Position 6 (wheel slot 8) 101–110 Position 7 (wheel slot 9) 111–255 Open (wheel slot 1)
13	Animation Wheel1Pos	128	0–2 180 deg 3–63 CCW Max 64–125 90 deg 126–126 CCW Min 127–127 Stop 128–129 0 deg 130–191 CW Min 192–252 -90 deg 253–253 CW Max 254–254 Stop 90 255–255 -180 deg
14	Blade2A	0	0–127 Min 128–254 Med 255–255 Max

Extended (continued)

Ch	Function	Default	DMX values
15	Blade2Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
16	Blade1A	0	0–127 Min 128–254 Med 255–255 Max
17	Blade1Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
18	Blade4A	0	0–127 Min 128–254 Med 255–255 Max
19	Blade4Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
20	Blade3A	0	0–127 Min 128–254 Med 255–255 Max
21	Blade3Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
22	Shaper Rot	128	0–126 CCW Max 127–254 Parallel 255–255 CW Max
23	Frost1	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Full
24	Prism	0	0–10 Open (wheel slot 1) 11–138 Prism Index (wheel slot 2) 139–255 Prism Rotation (wheel slot 2)
25	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
26	Iris	0	0–63 Open 64–127 25% 128–191 50% 192–254 75% 255–255 Closed
27	Zoom	128	0–127 Wide 128–254 Medium 255–255 Narrow
28	Zoom Fine	0	Fine byte of Zoom

Extended (continued)

Ch	Function	Default	DMX values
29	Focus	128	0–127 Far 128–254 Medium 255–255 Near
30	Focus Fine	0	Fine byte of Focus
31	Pan	128	
32	Pan Fine	0	Fine byte of Pan
33	Tilt	128	
34	Tilt Fine	0	Fine byte of Tilt
35	Control1	0	
36	No Feature1	0	
37	No Feature2	0	
38	No Feature3	0	
39	No Feature4	0	
40	No Feature5	0	