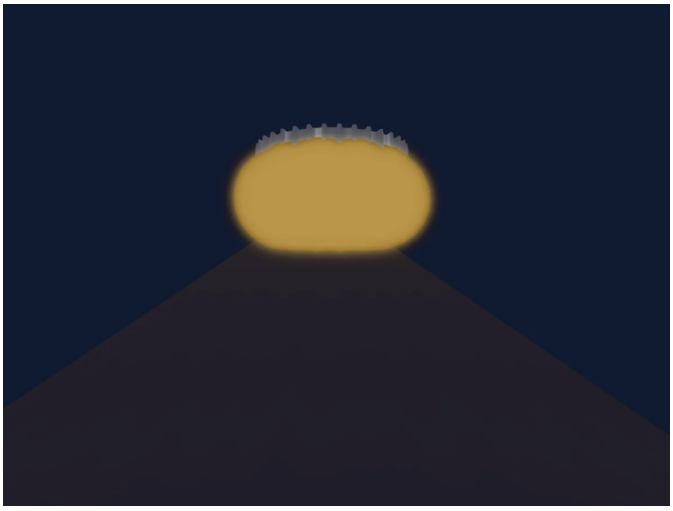
Martin Professional

VDO Dotron



Manufacturer	**Martin Professional**
Type	**Effect light**
DMX modes	**7**
DMX footprint	**1, 3, 5, 6, 10 channels**
Beam angle	**110°**
Size (W × H × D)	**72 × 33 × 72 mm**
GDTF fixture type	**91B581DD-5E4A-4249-90D1-59…**

Controls

RGB colour mixing · Effect speed · Dimmer

Safety-relevant functions

Built-in effect programmes

DMX modes

P3_Intensity	1 ch
DMX_RGB	3 ch
P3_PixelMap	3 ch
P3_RGB	3 ch
P3_Basic	5 ch
P3_Hybrid	6 ch
DMX_Basic	10 ch

P3_Intensity

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open

DMX_RGB

3 channels

Ch	Function	Default	DMX values
1	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
2	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
3	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

P3_PixelMap

3 channels

Ch	Function	Default	DMX values
1	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
2	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
3	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

P3_RGB

3 channels

Ch	Function	Default	DMX values
1	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

P3_RGB (continued)

Ch	Function	Default	DMX values
2	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
3	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

P3_Basic

5 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
4	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

P3_Hybrid

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	P3Switch	0	0–127 DMX 128–255 Video
4	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

P3_Hybrid (continued)

Ch	Function	Default	DMX values
5	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
6	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

DMX_Basic

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter1Strobe	0	0–49 No Strobe 50–124 Slow 125–199 Medium 200–200 Fast 201–210 No Strobe 211–232 Slow 233–254 Medium 255–255 Fast
4	Strobe Duration	128	0–127 0s 128–254 1/2s 255–255 1s

DMX_Basic (continued)

Ch	Function	Default	DMX values
5	Effect	0	0–0 No Effect 1–1 Intensity Wave 2–2 Intensity Step 3–3 Intensity Pulse 4–4 Blackout Strobe 5–5 2x Strobe 6–6 3x Strobe 7–7 4x Strobe 8–8 Intensity Up-Down-Flash 9–9 Intensity Up-Flash-Down-Flash 10–10 Intensity Random Levels 11–11 Pixel Killer 12–12 Noise Overlay 13–13 Build UpDown 14–14 InOut Wave 15–15 InOut Step 16–16 InOut Pulse 17–19 No Effect 20–20 Movie Flicker 21–21 Electric Arc 22–22 Atomic Lightning 23–23 Thunderstorm 24–24 Sonar 1 25–25 Sonar 2 26–26 Sonar 3 27–27 Sonar 6 28–28 Sonar 9 29–29 Slice Pie 30–30 Random Chase 31–31 Water Drop 32–50 No Effect 51–51 Rainbow Wave 52–52 Rainbow Step 53–53 Rainbow Pulse 54–54 RGB Wave 55–55 RGB Step 56–56 RGB Pulse 57–57 CMY Wave 58–58 CMY Step 59–59 CMY Pulse 60–60 Random Mix Wave 61–61 Random Mix Step 62–62 Random Mix Pulse 63–68 No Effect 69–69 Solid Color 70–70 Spectrum Shifter 71–71 RGB to White Wave 72–72 RGB to White Step 73–73 RGB to White Pulse 74–74 RGB to White Strobe 75–75 Normal to White Wave 76–76 Normal to White Step 77–77 Normal to White Pulse 78–78 Normal to White Strobe 79–86 No Effect 87–87 Invert InOut Wave 88–88 Invert InOut Step 89–89 Invert InOut Pulse 90–100 No Effect 101–101 Police Chase 102–102 Nightrider 103–103 Stars 104–104 Fiberoptic White 105–105 Fiberoptic Mix

DMX_Basic (continued)

Ch	Function	Default	DMX values
6	Effect Speed	192	0–63 Rev Max 64–125 Rev Med 126–126 Rev Min 127–128 Stop 129–191 Fwd Min 192–254 Fwd Med 255–255 Fwd Max
7	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 36–36 Synchronized 37–100 No Function 101–120 Random Start 121–140 Random Duration 141–255 No Function
8	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

DMX_Basic (continued)

Ch	Function	Default	DMX values
10	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max