Martin Professional

# ERA 300 Profile



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|---|---|
| Manufacturer | **Martin Professional** |
| Type | **Profile spot** |
| DMX modes | **1** |
| DMX footprint | **21 channels** |
| Beam angle | **11.2-23.6°** |
| Pan range | **540°** |
| Tilt range | **246°** |
| Size (W × H × D) | **255 × 372 × 222 mm** |
| GDTF fixture type | **E4F2458D-24CD-43BD-9C76-4B…** |

## Controls

Focus · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

## Safety-relevant functions

Fixture reset

## DMX modes

Basic 21 ch

## Basic

21 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Shutter / Strobe | 22 | 0–19 Closed<br>20–24 Open<br>25–43 Strobe · Fast 15–8.54 Hz<br>44–63 Strobe · Medium 8.18–1.36 Hz<br>64–64 Strobe · Slow 1 Hz<br>65–69 Open<br>70–76 Opening Pulse · Fast 2–1.31 Hz<br>77–83 Opening Pulse · Medium 1.2–0.514 Hz<br>84–84 Opening Pulse · Slow 0.4 Hz<br>85–89 Open<br>90–96 Closing Pulse · Fast 2–1.31 Hz<br>97–103 Closing Pulse · Medium 1.2–0.514 Hz<br>104–104 Closing Pulse · Slow 0.4 Hz<br>105–109 Open<br>110–116 Strobe Random · Fast 15–9 Hz<br>117–123 Strobe Random · Medium 8–2 Hz<br>124–124 Strobe Random · Slow 1 Hz<br>125–129 Open<br>130–136 Random Opening Pulse · Fast 5–3.29 Hz<br>137–143 Random Opening Pulse · Medium 3–1.29 Hz<br>144–144 Random Opening Pulse · Slow 1 Hz<br>145–255 Open |
| 2 | Dimmer | 0 | 0–63 Closed<br>64–127 25%<br>128–191 50%<br>192–254 75%<br>255–255 Open |
| 3 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 4 | Cyan | 0 | 0–63 Min<br>64–127 25%<br>128–191 50%<br>192–254 75%<br>255–255 Max |
| 5 | Magenta | 0 | 0–63 Min<br>64–127 25%<br>128–191 50%<br>192–254 75%<br>255–255 Max |
| 6 | Yellow | 0 | 0–63 Min<br>64–127 25%<br>128–191 50%<br>192–254 75%<br>255–255 Max |

## Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Color Wheel | 0 | 0–6 Open (wheel slot 1)<br>7–12 Light Blue (wheel slot 2)<br>13–18 Dark Green (wheel slot 3)<br>19–25 Pink (wheel slot 4)<br>26–31 Orange (wheel slot 5)<br>32–37 Light Green (wheel slot 6)<br>38–44 Light Magenta (wheel slot 7)<br>45–50 Light Yellow (wheel slot 8)<br>51–56 Dark Blue (wheel slot 9)<br>57–63 Dark Red (wheel slot 10)<br>64–66 Open (wheel slot 1)<br>67–73 Light Blue (wheel slot 2)<br>74–80 Dark Green (wheel slot 3)<br>81–87 Pink (wheel slot 4)<br>88–94 Orange (wheel slot 5)<br>95–101 Light Green (wheel slot 6)<br>102–108 Light Magenta (wheel slot 7)<br>109–115 Light Yellow (wheel slot 8)<br>116–122 Dark Blue (wheel slot 9)<br>123–127 Dark Red (wheel slot 10)<br>128–158 CW Max<br>159–189 CW Med<br>190–190 CW Min<br>191–192 Stop<br>193–223 CCW Min<br>224–254 CCW Med<br>255–255 CCW Max |
| **8** | Gobo | 0 | 0–7 Open (wheel slot 1)<br>8–15 Gobo 1 (wheel slot 2)<br>16–23 Gobo 2 (wheel slot 3)<br>24–31 Gobo 3 (wheel slot 4)<br>32–39 Gobo 4 (wheel slot 5)<br>40–47 Gobo 5 (wheel slot 6)<br>48–55 Gobo 6 (wheel slot 7)<br>56–63 Gobo 7 (wheel slot 8)<br>64–72 Gobo 1 (wheel slot 2)<br>73–81 Gobo 2 (wheel slot 3)<br>82–90 Gobo 3 (wheel slot 4)<br>91–99 Gobo 4 (wheel slot 5)<br>100–108 Gobo 5 (wheel slot 6)<br>109–117 Gobo 6 (wheel slot 7)<br>118–127 Gobo 7 (wheel slot 8)<br>128–158 CW Max<br>159–189 CW Med<br>190–190 CW Min<br>191–192 Stop<br>193–223 CCW Min<br>224–254 CCW Med<br>255–255 CCW Max |
| **9** | Gobo Rotation | 0 | 0–30 0 deg<br>31–62 90 deg<br>63–94 180 deg<br>95–126 270 deg<br>127–127 360 deg<br>128–158 CCW Max<br>159–189 CCW Med<br>190–190 CCW Min<br>191–192 Stop<br>193–223 CW Min<br>224–254 CW Med<br>255–255 CW Max |

## Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Gobo 2 | 0 | 0–6 Open (wheel slot 1)<br>7–12 Gobo 1 (wheel slot 2)<br>13–18 Gobo 2 (wheel slot 3)<br>19–25 Gobo 3 (wheel slot 4)<br>26–31 Gobo 4 (wheel slot 5)<br>32–37 Gobo 5 (wheel slot 6)<br>38–44 Gobo 6 (wheel slot 7)<br>45–50 Gobo 7 (wheel slot 8)<br>51–56 Gobo 8 (wheel slot 9)<br>57–63 Gobo 9 (wheel slot 10)<br>64–70 Gobo 1 (wheel slot 2)<br>71–77 Gobo 2 (wheel slot 3)<br>78–84 Gobo 3 (wheel slot 4)<br>85–91 Gobo 4 (wheel slot 5)<br>92–98 Gobo 5 (wheel slot 6)<br>99–105 Gobo 6 (wheel slot 7)<br>106–112 Gobo 7 (wheel slot 8)<br>113–119 Gobo 8 (wheel slot 9)<br>120–127 Gobo 9 (wheel slot 10)<br>128–158 CW Max<br>159–189 CW Med<br>190–190 CW Min<br>191–192 Stop<br>193–223 CCW Min<br>224–254 CCW Med<br>255–255 CCW Max |
| **11** | Prism | 0 | 0–10 Open (wheel slot 1)<br>11–127 Prism (wheel slot 2)<br>128–131 Macro 1 (wheel slot 2)<br>132–135 Macro 2 (wheel slot 2)<br>136–139 Macro 3 (wheel slot 2)<br>140–143 Macro 4 (wheel slot 2)<br>144–147 Macro 5 (wheel slot 2)<br>148–151 Macro 6 (wheel slot 2)<br>152–155 Macro 7 (wheel slot 2)<br>156–159 Macro 8 (wheel slot 2)<br>160–163 Macro 9 (wheel slot 2)<br>164–167 Macro 10 (wheel slot 2)<br>168–171 Macro 11 (wheel slot 2)<br>172–175 Macro 12 (wheel slot 2)<br>176–179 Macro 13 (wheel slot 2)<br>180–183 Macro 14 (wheel slot 2)<br>184–187 Macro 15 (wheel slot 2)<br>188–191 Macro 16 (wheel slot 2)<br>192–195 Macro 17 (wheel slot 2)<br>196–199 Macro 18 (wheel slot 2)<br>200–203 Macro 19 (wheel slot 2)<br>204–207 Macro 20 (wheel slot 2)<br>208–211 Macro 21 (wheel slot 2)<br>212–215 Macro 22 (wheel slot 2)<br>216–219 Macro 23 (wheel slot 2)<br>220–223 Macro 24 (wheel slot 2)<br>224–227 Macro 25 (wheel slot 2)<br>228–231 Macro 26 (wheel slot 2)<br>232–235 Macro 27 (wheel slot 2)<br>236–239 Macro 28 (wheel slot 2)<br>240–243 Macro 29 (wheel slot 2)<br>244–247 Macro 30 (wheel slot 2)<br>248–251 Macro 31 (wheel slot 2)<br>252–255 Macro 32 (wheel slot 2) |

## Basic (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Prism Rotation | 0 | 0–30 0 deg (wheel slot 2)<br>31–62 90 deg (wheel slot 2)<br>63–94 180 deg (wheel slot 2)<br>95–126 270 deg (wheel slot 2)<br>127–127 360 deg (wheel slot 2)<br>128–158 CW Max (wheel slot 2)<br>159–189 CW Med (wheel slot 2)<br>190–190 CW Min (wheel slot 2)<br>191–192 Stop (wheel slot 2)<br>193–223 CCW Min (wheel slot 2)<br>224–254 CCW Med (wheel slot 2)<br>255–255 CCW Max (wheel slot 2) |
| **13** | Iris | 0 | 0–63 Open<br>64–127 25%<br>128–191 50%<br>192–254 75%<br>255–255 Closed |
| **14** | Zoom | 128 | 0–127 Narrow<br>128–254 Medium<br>255–255 Wide |
| **15** | Focus | 128 | 0–127 Far<br>128–254 Medium<br>255–255 Near |
| **16** | Pan | 128 | |
| **17** | Pan Fine | 0 | Fine byte of Pan |
| **18** | Tilt | 128 | |
| **19** | Tilt Fine | 0 | Fine byte of Tilt |
| **20** | Position MSpeed | 0 | 0–127 Max<br>128–254 Med<br>255–255 Min |
| **21** | Control1 | 0 | 0–69 Idle<br>70–79 BlackOut PanTilt Enable<br>80–89 BlackOut PanTilt Disable<br>90–99 BlackOut Color Enable<br>100–109 BlackOut Color Disable<br>110–119 BlackOut Gobo Enable<br>120–129 BlackOut Gobo Disable<br>130–199 No Function 1<br>200–209 Reset Entire Fixture (5s)<br>210–219 Reset Effects Only (5s)<br>220–229 Reset Pan and Tilt Only (5s)<br>230–255 No Function 2 |