Leding

# Razer 440



| | |
|---|---|
| Manufacturer | **Leding** |
| Type | **Profile spot** |
| DMX modes | **3** |
| DMX footprint | **24, 27 channels** |
| Beam angle | **8.6-36°** |
| Pan range | **540°** |
| Tilt range | **244°** |
| Size (W × H × D) | **283 × 473 × 213 mm** |
| GDTF fixture type | **EA0F06FE-0354-1002-9A1A-31…** |

## Controls

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

## Safety-relevant functions

Fixture reset

## DMX modes

| | |
|---|---|
| Mode 1 | 24 ch |
| Mode 2 | 24 ch |
| Mode 3 | 27 ch |

## Mode 1

24 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 128 | |
| 2 | Pan Fine | 0 | Fine byte of Pan |
| 3 | Tilt | 128 | |
| 4 | Tilt Fine | 0 | Fine byte of Tilt |
| 5 | Color Wheel | 0 | 0–9 open (wheel slot 1)<br>10–29 red (wheel slot 2)<br>30–49 green (wheel slot 3)<br>50–69 blue (wheel slot 4)<br>70–89 orange (wheel slot 5)<br>90–109 pink (wheel slot 6)<br>110–129 CTO (wheel slot 7)<br>130–140 UV (wheel slot 8)<br>141–146 red (2) (wheel slot 2)<br>147–152 green (2) (wheel slot 3)<br>153–158 blue (2) (wheel slot 4)<br>159–164 orange (2) (wheel slot 5)<br>165–170 pink (2) (wheel slot 6)<br>171–182 CTO (2) (wheel slot 7)<br>183–188 UV (2) (wheel slot 8)<br>189–189 >>><br>190–213 Spin 100 1%<br>214–219 stop<br>220–242 Spin -1 -100%<br>243–243 <<<<br>244–247 min Rnd<br>248–251 Rnd 50%<br>252–255 max Rnd |
| 6 | Cyan | 0 | |
| 7 | Magenta | 0 | |
| 8 | Yellow | 0 | |
| 9 | C TO | 0 | 0–254 min CTO<br>255–255 max CTO |
| 10 | Gobo | 0 | 0–4 open (wheel slot 1)<br>5–7 gobo 1 (wheel slot 2)<br>8–10 gobo 2 (wheel slot 3)<br>11–13 gobo 3 (wheel slot 4)<br>14–16 gobo 4 (wheel slot 5)<br>17–19 gobo 5 (wheel slot 6)<br>20–23 gobo 6 (wheel slot 7)<br>24–26 gobo 1 <> (wheel slot 2)<br>27–29 gobo 2 <> (wheel slot 3)<br>30–32 gobo 3 <> (wheel slot 4)<br>33–35 gobo 4 <> (wheel slot 5)<br>36–39 gobo 5 <> (wheel slot 6)<br>40–42 gobo 6 <> (wheel slot 7)<br>43–72 gobo 1 sh (wheel slot 2)<br>73–102 gobo 2 sh (wheel slot 3)<br>103–132 gobo 3 sh (wheel slot 4)<br>133–162 gobo 4 sh (wheel slot 5)<br>163–192 gobo 5 sh (wheel slot 6)<br>193–222 gobo 6 sh (wheel slot 7)<br>223–223 >>><br>224–237 Spin 100 1%<br>238–240 stop<br>241–254 Spin -1 -100%<br>255–255 <<<< |
| 11 | Gobo Rotation | 0 | |
| 12 | Gobo Rotation Fine | 0 | Fine byte of Gobo Rotation |

## Mode 1 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **13** | Gobo 2 | 0 | 0–9 open (wheel slot 1)<br>10–19 gobo 1 (wheel slot 2)<br>20–29 gobo 2 (wheel slot 3)<br>30–39 gobo 3 (wheel slot 4)<br>40–49 gobo 4 (wheel slot 5)<br>50–59 gobo 5 (wheel slot 6)<br>60–69 gobo 6 (wheel slot 7)<br>70–79 gobo 7 (wheel slot 8)<br>80–99 gobo 1 sh (wheel slot 2)<br>100–119 gobo 2 sh (wheel slot 3)<br>120–139 gobo 3 sh (wheel slot 4)<br>140–159 gobo 4 sh (wheel slot 5)<br>160–179 gobo 5 sh (wheel slot 6)<br>180–199 gobo 6 sh (wheel slot 7)<br>200–219 gobo 7 sh (wheel slot 8)<br>220–220 >>><br>221–236 Spin2 100 1%<br>237–238 stop<br>239–254 Spin2 -1 -100%<br>255–255 <<< |
| **14** | E FFECTWHEEL | 0 | 0–10 open (wheel slot 1)<br>11–138 8 facet prism (wheel slot 2)<br>139–255 8 facet prism<> (wheel slot 2) |
| **15** | E FFECTINDEXROTATE | 0 | |
| **16** | Frost1 | 0 | 0–254 min Frost<br>255–255 max Frost |
| **17** | Iris | 0 | 0–130 open Iris<br>131–131 closed Iris<br>132–170 min Strobe Pulse<br>171–171 max Strobe Pulse<br>172–210 max Strobe Pulse Open<br>211–211 min Strobe Pulse Open<br>212–250 max Strobe Pulse Close<br>251–251 min Strobe Pulse Close<br>252–255 closed Iris (2) |
| **18** | Animation Wheel1 | 0 | 0–127 open (wheel slot 1)<br>128–255 animation (wheel slot 2) |
| **19** | A NIMATIONINDEXROTATE | 0 | |
| **20** | Zoom | 128 | 0–127 wide<br>128–254 normal<br>255–255 narrow |
| **21** | Focus | 128 | 0–254 max Focus<br>255–255 min Focus |
| **22** | Shutter / Strobe | 106 | 0–3 closed<br>4–102 min Strobe<br>103–103 max Strobe<br>104–107 open<br>108–206 min Pulse<br>207–207 max Pulse<br>208–212 open (2)<br>213–225 Shutter1StrobeRandom 6 · min Rnd 0.1–3.23 Hz<br>226–238 Shutter1StrobeRandom 6 · Rnd 50% 3.49–6.61 Hz<br>239–251 Shutter1StrobeRandom 6 · max Rnd 6.87–10 Hz<br>252–255 open (3) |
| **23** | Dimmer | 0 | 0–254 closed<br>255–255 open |

### Mode 1 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **24** | Fixture Global Reset | 0 | 0–9 NoFeature 1<br>10–14 Reset<br>15–19 ColMReset<br>20–24 NonPosReset<br>25–29 PosReset<br>30–34 G1Reset<br>35–39 Linear<br>40–44 Gamma 1 5<br>45–49 Gamma 2 0<br>50–54 S curve<br>55–104 NoFeature 8<br>105–109 Zoom focus linking disabled<br>110–114 Zoom focus linking near<br>115–119 Zoom focus linking enable<br>120–124 Zoom focus linked far<br>125–224 NoFeature 10<br>225–229 Auto focus priority gobo<br>230–234 Auto focus priority FX wheel<br>235–239 Auto focus priority iris<br>240–255 NoFeature 12 |

## Mode 2

24 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Shutter / Strobe | 106 | 0–3 closed<br>4–102 min Strobe<br>103–103 max Strobe<br>104–107 open<br>108–206 min Pulse<br>207–207 max Pulse<br>208–212 open (2)<br>213–225 Shutter1StrobeRandom 6 · min Rnd 0.1–3.23 Hz<br>226–238 Shutter1StrobeRandom 6 · Rnd 50% 3.49–6.61 Hz<br>239–251 Shutter1StrobeRandom 6 · max Rnd 6.87–10 Hz<br>252–255 open (3) |
| **2** | Dimmer | 0 | 0–254 closed<br>255–255 open |
| **3** | Cyan | 0 | |
| **4** | Magenta | 0 | |
| **5** | Yellow | 0 | |
| **6** | C TO | 0 | 0–254 min CTO<br>255–255 max CTO |

## Mode 2 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Color Wheel | 0 | 0–9 open (wheel slot 1)<br>10–29 red (wheel slot 2)<br>30–49 green (wheel slot 3)<br>50–69 blue (wheel slot 4)<br>70–89 orange (wheel slot 5)<br>90–109 pink (wheel slot 6)<br>110–129 CTO (wheel slot 7)<br>130–140 UV (wheel slot 8)<br>141–146 red (2) (wheel slot 2)<br>147–152 green (2) (wheel slot 3)<br>153–158 blue (2) (wheel slot 4)<br>159–164 orange (2) (wheel slot 5)<br>165–170 pink (2) (wheel slot 6)<br>171–182 CTO (2) (wheel slot 7)<br>183–188 UV (2) (wheel slot 8)<br>189–189 >>><br>190–213 Spin 100 1%<br>214–219 stop<br>220–242 Spin -1 -100%<br>243–243 <<<<br>244–247 min Rnd<br>248–251 Rnd 50%<br>252–255 max Rnd |
| **8** | Gobo | 0 | 0–4 open (wheel slot 1)<br>5–7 gobo 1 (wheel slot 2)<br>8–10 gobo 2 (wheel slot 3)<br>11–13 gobo 3 (wheel slot 4)<br>14–16 gobo 4 (wheel slot 5)<br>17–19 gobo 5 (wheel slot 6)<br>20–23 gobo 6 (wheel slot 7)<br>24–26 gobo 1 <> (wheel slot 2)<br>27–29 gobo 2 <> (wheel slot 3)<br>30–32 gobo 3 <> (wheel slot 4)<br>33–35 gobo 4 <> (wheel slot 5)<br>36–39 gobo 5 <> (wheel slot 6)<br>40–42 gobo 6 <> (wheel slot 7)<br>43–72 gobo 1 sh (wheel slot 2)<br>73–102 gobo 2 sh (wheel slot 3)<br>103–132 gobo 3 sh (wheel slot 4)<br>133–162 gobo 4 sh (wheel slot 5)<br>163–192 gobo 5 sh (wheel slot 6)<br>193–222 gobo 6 sh (wheel slot 7)<br>223–223 >>><br>224–237 Spin 100 1%<br>238–240 stop<br>241–254 Spin -1 -100%<br>255–255 <<<< |
| **9** | Gobo Rotation | 0 | |
| **10** | Gobo Rotation Fine | 0 | Fine byte of Gobo Rotation |

## Mode 2 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Gobo 2 | 0 | 0–9 open (wheel slot 1)<br>10–19 gobo 1 (wheel slot 2)<br>20–29 gobo 2 (wheel slot 3)<br>30–39 gobo 3 (wheel slot 4)<br>40–49 gobo 4 (wheel slot 5)<br>50–59 gobo 5 (wheel slot 6)<br>60–69 gobo 6 (wheel slot 7)<br>70–79 gobo 7 (wheel slot 8)<br>80–99 gobo 1 sh (wheel slot 2)<br>100–119 gobo 2 sh (wheel slot 3)<br>120–139 gobo 3 sh (wheel slot 4)<br>140–159 gobo 4 sh (wheel slot 5)<br>160–179 gobo 5 sh (wheel slot 6)<br>180–199 gobo 6 sh (wheel slot 7)<br>200–219 gobo 7 sh (wheel slot 8)<br>220–220 >>><br>221–236 Spin2 100 1%<br>237–238 stop<br>239–254 Spin2 -1 -100%<br>255–255 <<< |
| **12** | Animation Wheel1 | 0 | 0–127 open (wheel slot 1)<br>128–255 animation (wheel slot 2) |
| **13** | A NIMATIONINDEXROTATE | 0 | 0–0 >>><br>1–124 Rotate 100 1%<br>125–130 stop<br>131–254 Rotate -1 -100%<br>255–255 <<< |
| **14** | Frost1 | 0 | 0–254 min Frost<br>255–255 max Frost |
| **15** | E FFECTWHEEL | 0 | 0–10 open (wheel slot 1)<br>11–138 8 facet prism (wheel slot 2)<br>139–255 8 facet prism<> (wheel slot 2) |
| **16** | E FFECTINDEXROTATE | 0 | |
| **17** | Iris | 0 | 0–130 open Iris<br>131–131 closed Iris<br>132–170 min Strobe Pulse<br>171–171 max Strobe Pulse<br>172–210 max Strobe Pulse Open<br>211–211 min Strobe Pulse Open<br>212–250 max Strobe Pulse Close<br>251–251 min Strobe Pulse Close<br>252–255 closed Iris (2) |
| **18** | Zoom | 128 | 0–127 wide<br>128–254 normal<br>255–255 narrow |
| **19** | Focus | 128 | 0–254 max Focus<br>255–255 min Focus |
| **20** | Pan | 128 | |
| **21** | Pan Fine | 0 | Fine byte of Pan |
| **22** | Tilt | 128 | |
| **23** | Tilt Fine | 0 | Fine byte of Tilt |

### Mode 2 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **24** | Fixture Global Reset | 0 | 0–9 NoFeature 1<br>10–14 Reset<br>15–19 ColMReset<br>20–24 NonPosReset<br>25–29 PosReset<br>30–34 G1Reset<br>35–39 Linear<br>40–44 Gamma 1 5<br>45–49 Gamma 2 0<br>50–54 S curve<br>55–104 NoFeature 8<br>105–109 Zoom focus linking disabled<br>110–114 Zoom focus linking near<br>115–119 Zoom focus linking enable<br>120–124 Zoom focus linked far<br>125–224 NoFeature 10<br>225–229 Auto focus priority gobo<br>230–234 Auto focus priority FX wheel<br>235–239 Auto focus priority iris<br>240–255 NoFeature 12 |

## Mode 3

27 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Shutter / Strobe | 106 | 0–3 closed<br>4–102 min Strobe<br>103–103 max Strobe<br>104–107 open<br>108–206 min Pulse<br>207–207 max Pulse<br>208–212 open (2)<br>213–225 Shutter1StrobeRandom 6 · min Rnd 0.1–3.23 Hz<br>226–238 Shutter1StrobeRandom 6 · Rnd 50% 3.49–6.61 Hz<br>239–251 Shutter1StrobeRandom 6 · max Rnd 6.87–10 Hz<br>252–255 open (3) |
| **2** | Dimmer | 0 | 0–254 closed<br>255–255 open |
| **3** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **4** | Cyan | 0 | |
| **5** | Magenta | 0 | |
| **6** | Yellow | 0 | |
| **7** | C TO | 0 | 0–254 min CTO<br>255–255 max CTO |

## Mode 3 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Color Wheel | 0 | 0–9 open (wheel slot 1)<br>10–29 red (wheel slot 2)<br>30–49 green (wheel slot 3)<br>50–69 blue (wheel slot 4)<br>70–89 orange (wheel slot 5)<br>90–109 pink (wheel slot 6)<br>110–129 CTO (wheel slot 7)<br>130–140 UV (wheel slot 8)<br>141–146 red (2) (wheel slot 2)<br>147–152 green (2) (wheel slot 3)<br>153–158 blue (2) (wheel slot 4)<br>159–164 orange (2) (wheel slot 5)<br>165–170 pink (2) (wheel slot 6)<br>171–182 CTO (2) (wheel slot 7)<br>183–188 UV (2) (wheel slot 8)<br>189–189 >>><br>190–213 Spin 100 1%<br>214–219 stop<br>220–242 Spin -1 -100%<br>243–243 <<<<br>244–247 min Rnd<br>248–251 Rnd 50%<br>252–255 max Rnd |
| **9** | Gobo | 0 | 0–4 open (wheel slot 1)<br>5–7 gobo 1 (wheel slot 2)<br>8–10 gobo 2 (wheel slot 3)<br>11–13 gobo 3 (wheel slot 4)<br>14–16 gobo 4 (wheel slot 5)<br>17–19 gobo 5 (wheel slot 6)<br>20–23 gobo 6 (wheel slot 7)<br>24–26 gobo 1 <> (wheel slot 2)<br>27–29 gobo 2 <> (wheel slot 3)<br>30–32 gobo 3 <> (wheel slot 4)<br>33–35 gobo 4 <> (wheel slot 5)<br>36–39 gobo 5 <> (wheel slot 6)<br>40–42 gobo 6 <> (wheel slot 7)<br>43–72 gobo 1 sh (wheel slot 2)<br>73–102 gobo 2 sh (wheel slot 3)<br>103–132 gobo 3 sh (wheel slot 4)<br>133–162 gobo 4 sh (wheel slot 5)<br>163–192 gobo 5 sh (wheel slot 6)<br>193–222 gobo 6 sh (wheel slot 7)<br>223–223 >>><br>224–237 Spin 100 1%<br>238–240 stop<br>241–254 Spin -1 -100%<br>255–255 <<<< |
| **10** | Gobo Rotation | 0 | |
| **11** | Gobo Rotation Fine | 0 | Fine byte of Gobo Rotation |

## Mode 3 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **12** | Gobo 2 | 0 | 0–9 open (wheel slot 1)<br>10–19 gobo 1 (wheel slot 2)<br>20–29 gobo 2 (wheel slot 3)<br>30–39 gobo 3 (wheel slot 4)<br>40–49 gobo 4 (wheel slot 5)<br>50–59 gobo 5 (wheel slot 6)<br>60–69 gobo 6 (wheel slot 7)<br>70–79 gobo 7 (wheel slot 8)<br>80–99 gobo 1 sh (wheel slot 2)<br>100–119 gobo 2 sh (wheel slot 3)<br>120–139 gobo 3 sh (wheel slot 4)<br>140–159 gobo 4 sh (wheel slot 5)<br>160–179 gobo 5 sh (wheel slot 6)<br>180–199 gobo 6 sh (wheel slot 7)<br>200–219 gobo 7 sh (wheel slot 8)<br>220–220 >>><br>221–236 Spin2 100 1%<br>237–238 stop<br>239–254 Spin2 -1 -100%<br>255–255 <<< |
| **13** | Animation Wheel1 | 0 | 0–127 open (wheel slot 1)<br>128–255 animation (wheel slot 2) |
| **14** | A NIMATIONINDEXROTATE | 0 | 0–0 >>><br>1–124 Rotate 100 1%<br>125–130 stop<br>131–254 Rotate -1 -100%<br>255–255 <<< |
| **15** | Frost1 | 0 | 0–254 min Frost<br>255–255 max Frost |
| **16** | E FFECTWHEEL | 0 | 0–10 open (wheel slot 1)<br>11–138 8 facet prism (wheel slot 2)<br>139–255 8 facet prism<> (wheel slot 2) |
| **17** | E FFECTINDEXROTATE | 0 | |
| **18** | Iris | 0 | 0–130 open Iris<br>131–131 closed Iris<br>132–170 min Strobe Pulse<br>171–171 max Strobe Pulse<br>172–210 max Strobe Pulse Open<br>211–211 min Strobe Pulse Open<br>212–250 max Strobe Pulse Close<br>251–251 min Strobe Pulse Close<br>252–255 closed Iris (2) |
| **19** | Zoom | 128 | 0–127 wide<br>128–254 normal<br>255–255 narrow |
| **20** | Zoom Fine | 0 | Fine byte of Zoom |
| **21** | Focus | 128 | 0–254 max Focus<br>255–255 min Focus |
| **22** | Focus Fine | 0 | Fine byte of Focus |
| **23** | Pan | 128 | |
| **24** | Pan Fine | 0 | Fine byte of Pan |
| **25** | Tilt | 128 | |
| **26** | Tilt Fine | 0 | Fine byte of Tilt |

## Mode 3 (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **27** | Fixture Global Reset | 0 | 0–9 NoFeature 1<br>10–14 Reset<br>15–19 ColMReset<br>20–24 NonPosReset<br>25–29 PosReset<br>30–34 G1Reset<br>35–39 Linear<br>40–44 Gamma 1 5<br>45–49 Gamma 2 0<br>50–54 S curve<br>55–104 NoFeature 8<br>105–109 Zoom focus linking disabled<br>110–114 Zoom focus linking near<br>115–119 Zoom focus linking enable<br>120–124 Zoom focus linked far<br>125–224 NoFeature 10<br>225–229 Auto focus priority gobo<br>230–234 Auto focus priority FX wheel<br>235–239 Auto focus priority iris<br>240–255 NoFeature 12 |