Terbly

# SL880P



| | |
|---|---|
| Manufacturer | **Terbly** |
| Type | **Profile spot** |
| DMX modes | **2** |
| DMX footprint | **40, 62 channels** |
| Beam angle | **3.5-53°** |
| Pan range | **540°** |
| Tilt range | **270°** |
| Size (W × H × D) | **285 × 498 × 261 mm** |
| GDTF fixture type | **1DA796A8-7517-433C-99C0-C7…** |

## Controls

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

## Safety-relevant functions

Fixture reset · Service functions

## DMX modes

| | |
|---|---|
| Standard | 40 ch |
| Extended | 62 ch |

## Standard

40 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 | Position MSpeed | 0 | 0–224 max<br>225–225 min<br>226–235 BO by Movement<br>236–255 BO by all Wheel |
| 6 | Shutter / Strobe | 63 | 0–62 Closed<br>63–63 Open<br>64–94 min Strobe<br>95–95 max Strobe<br>96–127 Open 2<br>128–158 min Pulse<br>159–159 max Pulse<br>160–191 Open 3<br>192–222 Random · min Rnd 1–24.2 Hz<br>223–223 Random · max Rnd 25 Hz<br>224–255 Open 4 |
| 7 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 8 | Dimmer Curve | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architecural<br>81–100 Theatre<br>101–255 Default to Unit Setting |
| 9 | Zoom | 127 | 0–126 narrow<br>127–254 normal<br>255–255 wide |
| 10 | Focus | 127 | |
| 11 | Focus1Distance | 0 | 0–50 Safe<br>51–100 5m<br>101–150 7m<br>151–200 10m<br>201–255 15m |
| 12 | Focus1Adjust | 128 | |
| 13 | Color Wheel | 0 | 0–15 Open (wheel slot 1)<br>16–31 Red (wheel slot 2)<br>32–47 Green (wheel slot 3)<br>48–63 Blue (wheel slot 4)<br>64–79 Orange (wheel slot 5)<br>80–95 Deep Blue (wheel slot 6)<br>96–111 Purple (wheel slot 7)<br>112–127 CTO (wheel slot 8)<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| 14 | Cyan | 0 | |
| 15 | Magenta | 0 | |
| 16 | Yellow | 0 | |
| 17 | C TO | 0 | |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Color Macro1 | 0 | 0–31 Safe<br>32–39 Macro 1<br>40–47 Macro 2<br>48–55 Macro 3<br>56–63 Macro 4<br>64–71 Macro 5<br>72–79 Macro 6<br>80–87 Macro 7<br>88–95 Macro 8<br>96–103 Macro 9<br>104–111 Macro 10<br>112–119 Macro 11<br>120–127 Macro 12<br>128–135 Macro 13<br>136–143 Macro 14<br>144–151 Macro 15<br>152–159 Macro 16<br>160–167 Macro 17<br>168–175 Macro 18<br>176–183 Macro 19<br>184–191 Macro 20<br>192–199 Macro 21<br>200–207 Macro 22<br>208–215 Macro 23<br>216–223 Macro 24<br>224–231 Macro 25<br>232–239 Macro 26<br>240–247 Macro 27<br>248–255 Random CMY |
| **19** | Color Mix MSpeed | 0 | |
| **20** | Gobo | 0 | 0–7 Open (wheel slot 1)<br>8–13 RG1 (wheel slot 2)<br>14–19 RG2 (wheel slot 3)<br>20–25 RG3 (wheel slot 4)<br>26–31 RG4 (wheel slot 5)<br>32–37 RG5 (wheel slot 6)<br>38–43 RG6 (wheel slot 7)<br>44–49 RG7 (wheel slot 8)<br>50–69 RG1 Shake (wheel slot 2)<br>70–89 RG2 Shake (wheel slot 3)<br>90–109 RG3 Shake (wheel slot 4)<br>110–129 RG4 Shake (wheel slot 5)<br>130–149 RG5 Shake (wheel slot 6)<br>150–169 RG6 Shake (wheel slot 7)<br>170–189 RG7 Shake (wheel slot 8)<br>190–190 >>><br>191–220 >><br>221–221 ><br>222–223 Stop<br>224–224 <<br>225–254 <<br>255–255 <<< |
| **21** | Gobo Rotation | 0 | 0–126 zero<br>127–127 max Index<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<br>255–255 <<< |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **22** | Gobo 2 | 0 | 0–10 Open (wheel slot 1)<br>11–15 FG1 (wheel slot 2)<br>16–20 FG2 (wheel slot 3)<br>21–25 FG3 (wheel slot 4)<br>26–30 FG4 (wheel slot 5)<br>31–35 FG5 (wheel slot 6)<br>36–40 FG6 (wheel slot 7)<br>41–45 FG7 (wheel slot 8)<br>46–50 FG8 (wheel slot 9)<br>51–55 FG9 (wheel slot 10)<br>56–70 FG1 Shake (wheel slot 2)<br>71–85 FG2 Shake (wheel slot 3)<br>86–100 FG3 Shake (wheel slot 4)<br>101–115 FG4 Shake (wheel slot 5)<br>116–130 FG5 Shake (wheel slot 6)<br>131–145 FG6 Shake (wheel slot 7)<br>146–160 FG7 Shake (wheel slot 8)<br>161–175 FG8 Shake (wheel slot 9)<br>176–189 FG9 Shake (wheel slot 10)<br>190–190 >>><br>191–220 >><br>221–221 ><br>222–223 Stop<br>224–224 <<br>225–254 <<<br>255–255 <<< |
| **23** | Animation Wheel1 | 0 | 0–7 Open (wheel slot 1)<br>8–8 >>> (wheel slot 2)<br>9–126 >> (wheel slot 2)<br>127–127 > (wheel slot 2)<br>128–135 Stop (wheel slot 2)<br>136–136 < (wheel slot 2)<br>137–254 << (wheel slot 2)<br>255–255 <<< (wheel slot 2) |
| **24** | Iris | 0 | 0–190 Open<br>191–191 Closed<br>192–222 Pulse closing fast<br>223–223 Pulse closing slow<br>224–254 Pulse opening slow<br>255–255 Pulse opening fast |
| **25** | Prism | 0 | 0–31 Open (wheel slot 1)<br>32–63 Prism 1 (wheel slot 2)<br>64–95 Prism 2 (wheel slot 3)<br>96–127 Prism 1+2<br>128–135 Macro 1<br>136–143 Macro 2<br>144–151 Macro 3<br>152–159 Macro 4<br>160–167 Macro 5<br>168–175 Macro 6<br>176–183 Macro 7<br>184–191 Macro 8<br>192–199 Macro 9<br>200–207 Macro 10<br>208–215 Macro 11<br>216–223 Macro 12<br>224–231 Macro 13<br>232–239 Macro 14<br>240–247 Macro 15<br>248–255 Macro 16 |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **26** | Prism Rotation | 0 | 0–126 zero<br>127–127 max Index<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| **27** | Prism Rotation | 0 | 0–126 zero<br>127–127 max Index<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| **28** | Frost1 | 0 | 0–126 Open (wheel slot 1)<br>127–190 Light Frost (wheel slot 2)<br>191–254 Heavy Frost (wheel slot 3)<br>255–255 Light+Heavy Frost |
| **29** | Blade1B | 0 | 0–254 Open<br>255–255 Closed |
| **30** | Blade1A | 0 | 0–254 Open<br>255–255 Closed |
| **31** | Blade3B | 0 | 0–254 Open<br>255–255 Closed |
| **32** | Blade3A | 0 | 0–254 Open<br>255–255 Closed |
| **33** | Blade2B | 0 | 0–254 Open<br>255–255 Closed |
| **34** | Blade2A | 0 | 0–254 Open<br>255–255 Closed |
| **35** | Blade4B | 0 | 0–254 Open<br>255–255 Closed |
| **36** | Blade4A | 0 | 0–254 Open<br>255–255 Closed |
| **37** | Shaper Rot | 128 | 0–127 90 Deg<br>128–254 0<br>255–255 -90 Deg |
| **38** | Frame MSpeed | 0 | |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **39** | Shaper Macros | 0 | 0–7 Safe<br>8–15 Macro 1<br>16–23 Macro 2<br>24–31 Macro 3<br>32–39 Macro 4<br>40–47 Macro 5<br>48–55 Macro 6<br>56–63 Macro 7<br>64–71 Macro 8<br>72–79 Macro 9<br>80–87 Macro 10<br>88–95 Macro 11<br>96–103 Macro 12<br>104–111 Macro 13<br>112–119 Macro 14<br>120–127 Macro 15<br>128–135 Macro 16<br>136–143 Macro 17<br>144–151 Macro 18<br>152–159 Macro 19<br>160–167 Macro 20<br>168–175 Macro 21<br>176–183 Macro 22<br>184–191 Macro 23<br>192–199 Macro 24<br>200–207 Macro 25<br>208–215 Macro 26<br>216–223 Macro 27<br>224–231 Macro 28<br>232–239 Macro 29<br>240–247 Macro 30<br>248–255 Macro 31 |
| **40** | Control1 | 0 | 0–19 Normal<br>20–29 Col any pos<br>30–39 Col/Gobo any pos<br>40–42 Display Off<br>43–45 Display On<br>46–48 Fan Auto<br>49–51 Fan High<br>52–54 Fan Silent<br>55–60 Fan Studio<br>61–63 Gamma=2'0<br>64–66 Gamma=2'2<br>67–69 Gamma=2'4<br>70–72 Gamma=2'6<br>73–75 Gamma=2'8<br>80–84 Reset All<br>85–87 Reset P/T<br>88–90 Reset Colors<br>91–93 Reset Gobos<br>94–96 Reset Zoom<br>97–99 Reset Others<br>100–119 Internal pro 1<br>120–139 Internal pro 2<br>140–159 Internal pro 3<br>160–179 Internal pro 4<br>180–199 Internal pro 5<br>200–219 Internal pro 6<br>220–255 Internal pro 7 |

## Extended

62 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 | Position MSpeed | 0 | 0–224 max<br>225–225 min<br>226–235 BO by Movement<br>236–255 BO by all Wheel |
| 6 | Shutter / Strobe | 63 | 0–62 Closed<br>63–63 Open<br>64–94 min Strobe<br>95–95 max Strobe<br>96–127 Open 2<br>128–158 min Pulse<br>159–159 max Pulse<br>160–191 Open 3<br>192–222 Random · min Rnd 1–24.2 Hz<br>223–223 Random · max Rnd 25 Hz<br>224–255 Open 4 |
| 7 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 8 | Dimmer Fine | 0 | Fine byte of Dimmer |
| 9 | Dimmer Curve | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architecural<br>81–100 Theatre<br>101–255 Default to Unit Setting |
| 10 | Zoom | 127 | 0–126 narrow<br>127–254 normal<br>255–255 wide |
| 11 | Zoom Fine | 127 | Fine byte of Zoom |
| 12 | Focus | 127 | |
| 13 | Focus Fine | 127 | Fine byte of Focus |
| 14 | Focus1Distance | 0 | 0–50 Safe<br>51–100 5m<br>101–150 7m<br>151–200 10m<br>201–255 15m |
| 15 | Focus1Adjust | 128 | |
| 16 | Color Wheel | 0 | 0–15 Open (wheel slot 1)<br>16–31 Red (wheel slot 2)<br>32–47 Green (wheel slot 3)<br>48–63 Blue (wheel slot 4)<br>64–79 Orange (wheel slot 5)<br>80–95 Deep Blue (wheel slot 6)<br>96–111 Purple (wheel slot 7)<br>112–127 CTO (wheel slot 8)<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<br>255–255 <<< |
| 17 | Color Wheel Fine | 0 | Fine byte of Color Wheel |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Cyan | 0 | |
| **19** | Cyan Fine | 0 | Fine byte of Cyan |
| **20** | Magenta | 0 | |
| **21** | Magenta Fine | 0 | Fine byte of Magenta |
| **22** | Yellow | 0 | |
| **23** | Yellow Fine | 0 | Fine byte of Yellow |
| **24** | C TO | 0 | |
| **25** | C TO Fine | 0 | Fine byte of C TO |
| **26** | Color Macro1 | 0 | 0–31 Safe<br>32–39 Macro 1<br>40–47 Macro 2<br>48–55 Macro 3<br>56–63 Macro 4<br>64–71 Macro 5<br>72–79 Macro 6<br>80–87 Macro 7<br>88–95 Macro 8<br>96–103 Macro 9<br>104–111 Macro 10<br>112–119 Macro 11<br>120–127 Macro 12<br>128–135 Macro 13<br>136–143 Macro 14<br>144–151 Macro 15<br>152–159 Macro 16<br>160–167 Macro 17<br>168–175 Macro 18<br>176–183 Macro 19<br>184–191 Macro 20<br>192–199 Macro 21<br>200–207 Macro 22<br>208–215 Macro 23<br>216–223 Macro 24<br>224–231 Macro 25<br>232–239 Macro 26<br>240–247 Macro 27<br>248–255 Random CMY |
| **27** | Color Mix MSpeed | 0 | |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **28** | Gobo | 0 | 0–7 Open (wheel slot 1)<br>8–13 RG1 (wheel slot 2)<br>14–19 RG2 (wheel slot 3)<br>20–25 RG3 (wheel slot 4)<br>26–31 RG4 (wheel slot 5)<br>32–37 RG5 (wheel slot 6)<br>38–43 RG6 (wheel slot 7)<br>44–49 RG7 (wheel slot 8)<br>50–69 RG1 Shake (wheel slot 2)<br>70–89 RG2 Shake (wheel slot 3)<br>90–109 RG3 Shake (wheel slot 4)<br>110–129 RG4 Shake (wheel slot 5)<br>130–149 RG5 Shake (wheel slot 6)<br>150–169 RG6 Shake (wheel slot 7)<br>170–189 RG7 Shake (wheel slot 8)<br>190–190 >>><br>191–220 >><br>221–221 ><br>222–223 Stop<br>224–224 <<br>225–254 <<<br>255–255 <<< |
| **29** | Gobo Rotation | 0 | 0–126 zero<br>127–127 max Index<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| **30** | Gobo Rotation Fine | 0 | Fine byte of Gobo Rotation |
| **31** | Gobo 2 | 0 | 0–10 Open (wheel slot 1)<br>11–15 FG1 (wheel slot 2)<br>16–20 FG2 (wheel slot 3)<br>21–25 FG3 (wheel slot 4)<br>26–30 FG4 (wheel slot 5)<br>31–35 FG5 (wheel slot 6)<br>36–40 FG6 (wheel slot 7)<br>41–45 FG7 (wheel slot 8)<br>46–50 FG8 (wheel slot 9)<br>51–55 FG9 (wheel slot 10)<br>56–70 FG1 Shake (wheel slot 2)<br>71–85 FG2 Shake (wheel slot 3)<br>86–100 FG3 Shake (wheel slot 4)<br>101–115 FG4 Shake (wheel slot 5)<br>116–130 FG5 Shake (wheel slot 6)<br>131–145 FG6 Shake (wheel slot 7)<br>146–160 FG7 Shake (wheel slot 8)<br>161–175 FG8 Shake (wheel slot 9)<br>176–189 FG9 Shake (wheel slot 10)<br>190–190 >>><br>191–220 >><br>221–221 ><br>222–223 Stop<br>224–224 <<br>225–254 <<<br>255–255 <<< |
| **32** | Gobo 2 Fine | 0 | Fine byte of Gobo 2 |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **33** | Animation Wheel1 | 0 | 0–7 Open (wheel slot 1)<br>8–8 >>> (wheel slot 2)<br>9–126 >> (wheel slot 2)<br>127–127 > (wheel slot 2)<br>128–135 Stop (wheel slot 2)<br>136–136 < (wheel slot 2)<br>137–254 << (wheel slot 2)<br>255–255 <<< (wheel slot 2) |
| **34** | Iris | 0 | 0–190 Open<br>191–191 Closed<br>192–222 Pulse closing fast<br>223–223 Pulse closing slow<br>224–254 Pulse opening slow<br>255–255 Pulse opening fast |
| **35** | Iris Fine | 0 | Fine byte of Iris |
| **36** | Prism | 0 | 0–31 Open (wheel slot 1)<br>32–63 Prism 1 (wheel slot 2)<br>64–95 Prism 2 (wheel slot 3)<br>96–127 Prism 1+2<br>128–135 Macro 1<br>136–143 Macro 2<br>144–151 Macro 3<br>152–159 Macro 4<br>160–167 Macro 5<br>168–175 Macro 6<br>176–183 Macro 7<br>184–191 Macro 8<br>192–199 Macro 9<br>200–207 Macro 10<br>208–215 Macro 11<br>216–223 Macro 12<br>224–231 Macro 13<br>232–239 Macro 14<br>240–247 Macro 15<br>248–255 Macro 16 |
| **37** | Prism Rotation | 0 | 0–126 zero<br>127–127 max Index<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| **38** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **39** | Prism Rotation | 0 | 0–126 zero<br>127–127 max Index<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| **40** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **41** | Frost1 | 0 | 0–126 Open (wheel slot 1)<br>127–190 Light Frost (wheel slot 2)<br>191–254 Heavy Frost (wheel slot 3)<br>255–255 Light+Heavy Frost |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **42** | Blade1B | 0 | 0–254 Open<br>255–255 Closed |
| **43** | Blade1B Fine | 0 | Fine byte of Blade1B |
| **44** | Blade1A | 0 | 0–254 Open<br>255–255 Closed |
| **45** | Blade1A Fine | 0 | Fine byte of Blade1A |
| **46** | Blade3B | 0 | 0–254 Open<br>255–255 Closed |
| **47** | Blade3B Fine | 0 | Fine byte of Blade3B |
| **48** | Blade3A | 0 | 0–254 Open<br>255–255 Closed |
| **49** | Blade3A Fine | 0 | Fine byte of Blade3A |
| **50** | Blade2B | 0 | 0–254 Open<br>255–255 Closed |
| **51** | Blade2B Fine | 0 | Fine byte of Blade2B |
| **52** | Blade2A | 0 | 0–254 Open<br>255–255 Closed |
| **53** | Blade2A Fine | 0 | Fine byte of Blade2A |
| **54** | Blade4B | 0 | 0–254 Open<br>255–255 Closed |
| **55** | Blade4B Fine | 0 | Fine byte of Blade4B |
| **56** | Blade4A | 0 | 0–254 Open<br>255–255 Closed |
| **57** | Blade4A Fine | 0 | Fine byte of Blade4A |
| **58** | Shaper Rot | 128 | 0–127 90 Deg<br>128–254 0<br>255–255 -90 Deg |
| **59** | Shaper Rot Fine | 128 | Fine byte of Shaper Rot |
| **60** | Frame MSpeed | 0 | |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **61** | Shaper Macros | 0 | 0–7 Safe<br>8–15 Macro 1<br>16–23 Macro 2<br>24–31 Macro 3<br>32–39 Macro 4<br>40–47 Macro 5<br>48–55 Macro 6<br>56–63 Macro 7<br>64–71 Macro 8<br>72–79 Macro 9<br>80–87 Macro 10<br>88–95 Macro 11<br>96–103 Macro 12<br>104–111 Macro 13<br>112–119 Macro 14<br>120–127 Macro 15<br>128–135 Macro 16<br>136–143 Macro 17<br>144–151 Macro 18<br>152–159 Macro 19<br>160–167 Macro 20<br>168–175 Macro 21<br>176–183 Macro 22<br>184–191 Macro 23<br>192–199 Macro 24<br>200–207 Macro 25<br>208–215 Macro 26<br>216–223 Macro 27<br>224–231 Macro 28<br>232–239 Macro 29<br>240–247 Macro 30<br>248–255 Macro 31 |
| **62** | Control1 | 0 | 0–19 Normal<br>20–29 Col any pos<br>30–39 Col/Gobo any pos<br>40–42 Display Off<br>43–45 Display On<br>46–48 Fan Auto<br>49–51 Fan High<br>52–54 Fan Silent<br>55–60 Fan Studio<br>61–63 Gamma=2'0<br>64–66 Gamma=2'2<br>67–69 Gamma=2'4<br>70–72 Gamma=2'6<br>73–75 Gamma=2'8<br>80–84 Reset All<br>85–87 Reset P/T<br>88–90 Reset Colors<br>91–93 Reset Gobos<br>94–96 Reset Zoom<br>97–99 Reset Others<br>100–119 Internal pro 1<br>120–139 Internal pro 2<br>140–159 Internal pro 3<br>160–179 Internal pro 4<br>180–199 Internal pro 5<br>200–219 Internal pro 6<br>220–255 Internal pro 7 |