Terbly

# S550B IP



| | |
|---|---|
| Manufacturer | **Terbly** |
| Type | **Moving head** |
| DMX modes | **2** |
| DMX footprint | **24, 34 channels** |
| Beam angle | **2°** |
| Pan range | **540°** |
| Tilt range | **270°** |
| Size (W × H × D) | **327 × 551 × 294 mm** |
| GDTF fixture type | **14CE3B13-0CEF-481A-8E6A-53…** |

## Controls

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

## Safety-relevant functions

Lamp on and off · Fixture reset

## DMX modes

| | |
|---|---|
| Standard | 24 ch |
| Extended | 34 ch |

## Standard

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 | 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 | 0–31 Closed<br>32–63 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 1–9.71 Hz<br>223–223 Random · max Rnd 10 Hz<br>224–255 Open 4 |
| 7 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 8 | Focus | 128 | |
| 9 | Color Wheel | 0 | 0–15 Open (wheel slot 1)<br>16–22 Deep Red (wheel slot 2)<br>23–29 Blue (wheel slot 3)<br>30–36 Green (wheel slot 4)<br>37–43 Yellow (wheel slot 5)<br>44–50 Magenta (wheel slot 6)<br>51–57 Orange (wheel slot 7)<br>58–64 Pink (wheel slot 8)<br>65–71 Kelly Green (wheel slot 9)<br>72–78 Cyan (wheel slot 10)<br>79–85 Amber (wheel slot 11)<br>86–92 Light Yellow (wheel slot 12)<br>93–99 HMG6 (wheel slot 13)<br>100–106 Red (wheel slot 14)<br>107–113 CTB (wheel slot 15)<br>114–120 CTO (wheel slot 16)<br>121–127 UV (wheel slot 17)<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| 10 | Cyan | 0 | |
| 11 | Magenta | 0 | |
| 12 | Yellow | 0 | |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **13** | 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 |
| **14** | Color Mix MSpeed | 0 | |
| **15** | Gobo | 0 | 0–10 Beam mode(Open) (wheel slot 1)<br>11–21 Spot mode(Open) (wheel slot 2)<br>22–31 RG1 (wheel slot 3)<br>32–41 RG2 (wheel slot 4)<br>42–51 RG3 (wheel slot 5)<br>52–61 RG4 (wheel slot 6)<br>62–71 RG5 (wheel slot 7)<br>72–81 RG6 (wheel slot 8)<br>82–91 RG7 (wheel slot 9)<br>92–101 RG8 (wheel slot 10)<br>102–112 RG1 Shake (wheel slot 3)<br>113–123 RG2 Shake (wheel slot 4)<br>124–134 RG3 Shake (wheel slot 5)<br>135–145 RG4 Shake (wheel slot 6)<br>146–156 RG5 Shake (wheel slot 7)<br>157–167 RG6 Shake (wheel slot 8)<br>168–178 RG7 Shake (wheel slot 9)<br>179–189 RG8 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 <<< |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **16** | 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 <<< |
| **17** | Gobo 2 | 0 | 0–9 Open (wheel slot 1)<br>10–13 FG1 (wheel slot 2)<br>14–17 FG2 (wheel slot 3)<br>18–21 FG3 (wheel slot 4)<br>22–25 FG4 (wheel slot 5)<br>26–29 FG5 (wheel slot 6)<br>30–33 FG6 (wheel slot 7)<br>34–37 FG7 (wheel slot 8)<br>38–41 FG8 (wheel slot 9)<br>42–45 FG9 (wheel slot 10)<br>46–49 FG10 (wheel slot 11)<br>50–53 FG11 (wheel slot 12)<br>54–57 FG12 (wheel slot 13)<br>58–61 FG13 (wheel slot 14)<br>62–65 FG14 (wheel slot 15)<br>66–69 FG15 (wheel slot 16)<br>70–73 FG16 (wheel slot 17)<br>74–77 FG17 (wheel slot 18)<br>78–81 FG18 (wheel slot 19)<br>82–87 FG1 Shake (wheel slot 2)<br>88–93 FG2 Shake (wheel slot 3)<br>94–99 FG3 Shake (wheel slot 4)<br>100–105 FG4 Shake (wheel slot 5)<br>106–111 FG5 Shake (wheel slot 6)<br>112–117 FG6 Shake (wheel slot 7)<br>118–123 FG7 Shake (wheel slot 8)<br>124–129 FG8 Shake (wheel slot 9)<br>130–135 FG9 Shake (wheel slot 10)<br>136–141 FG10 Shake (wheel slot 11)<br>142–147 FG11 Shake (wheel slot 12)<br>148–153 FG12 Shake (wheel slot 13)<br>154–159 FG13 Shake (wheel slot 14)<br>160–165 FG14 Shake (wheel slot 15)<br>166–171 FG15 Shake (wheel slot 16)<br>172–177 FG16 Shake (wheel slot 17)<br>178–183 FG17 Shake (wheel slot 18)<br>184–189 FG18 Shake (wheel slot 19)<br>190–190 >>><br>191–220 >><br>221–221 ><br>222–223 Stop<br>224–224 <<br>225–254 <<<br>255–255 <<< |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **18** | Prism | 0 | 0–63 Open (wheel slot 1)<br>64–95 32 Prism (wheel slot 2)<br>96–127 16 Prism (wheel slot 3)<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 |
| **19** | 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 <<< |
| **20** | Prism | 0 | 0–63 Open (wheel slot 1)<br>64–95 4 Prism (wheel slot 2)<br>96–255 8 Prism (wheel slot 3) |
| **21** | 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 <<< |
| **22** | Frost1 | 0 | 0–254 Open<br>255–255 100% Frost |
| **23** | Frost2 | 0 | 0–254 Open<br>255–255 100% Frost |

### Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **24** | Control1 | 0 | 0–19 Normal<br>20–29 Col any pos<br>30–39 Col/Gobo any pos<br>40–49 Lamp On<br>50–79 Lamp Off<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 Shutter<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>220–239 Internal pro 7<br>240–241 Home Pos On<br>242–255 Home Pos Off |

## Extended

34 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 | 0–31 Closed<br>32–63 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 1–9.71 Hz<br>223–223 Random · max Rnd 10 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** | Focus | 128 | |
| **10** | Focus Fine | 128 | Fine byte of Focus |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Color Wheel | 0 | 0–15 Open (wheel slot 1)<br>16–22 Deep Red (wheel slot 2)<br>23–29 Blue (wheel slot 3)<br>30–36 Green (wheel slot 4)<br>37–43 Yellow (wheel slot 5)<br>44–50 Magenta (wheel slot 6)<br>51–57 Orange (wheel slot 7)<br>58–64 Pink (wheel slot 8)<br>65–71 Kelly Green (wheel slot 9)<br>72–78 Cyan (wheel slot 10)<br>79–85 Amber (wheel slot 11)<br>86–92 Light Yellow (wheel slot 12)<br>93–99 HMG6 (wheel slot 13)<br>100–106 Red (wheel slot 14)<br>107–113 CTB (wheel slot 15)<br>114–120 CTO (wheel slot 16)<br>121–127 UV (wheel slot 17)<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| **12** | Color Wheel Fine | 0 | Fine byte of Color Wheel |
| **13** | Cyan | 0 | |
| **14** | Cyan Fine | 0 | Fine byte of Cyan |
| **15** | Magenta | 0 | |
| **16** | Magenta Fine | 0 | Fine byte of Magenta |
| **17** | Yellow | 0 | |
| **18** | Yellow Fine | 0 | Fine byte of Yellow |
| **19** | 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 |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Color Mix MSpeed | 0 | |
| **21** | Gobo | 0 | 0–10 Beam mode(Open) (wheel slot 1)<br>11–21 Spot mode(Open) (wheel slot 2)<br>22–31 RG1 (wheel slot 3)<br>32–41 RG2 (wheel slot 4)<br>42–51 RG3 (wheel slot 5)<br>52–61 RG4 (wheel slot 6)<br>62–71 RG5 (wheel slot 7)<br>72–81 RG6 (wheel slot 8)<br>82–91 RG7 (wheel slot 9)<br>92–101 RG8 (wheel slot 10)<br>102–112 RG1 Shake (wheel slot 3)<br>113–123 RG2 Shake (wheel slot 4)<br>124–134 RG3 Shake (wheel slot 5)<br>135–145 RG4 Shake (wheel slot 6)<br>146–156 RG5 Shake (wheel slot 7)<br>157–167 RG6 Shake (wheel slot 8)<br>168–178 RG7 Shake (wheel slot 9)<br>179–189 RG8 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 <<< |
| **22** | 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 <<< |
| **23** | Gobo Rotation Fine | 0 | Fine byte of Gobo Rotation |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **24** | Gobo 2 | 0 | 0–9 Open (wheel slot 1)<br>10–13 FG1 (wheel slot 2)<br>14–17 FG2 (wheel slot 3)<br>18–21 FG3 (wheel slot 4)<br>22–25 FG4 (wheel slot 5)<br>26–29 FG5 (wheel slot 6)<br>30–33 FG6 (wheel slot 7)<br>34–37 FG7 (wheel slot 8)<br>38–41 FG8 (wheel slot 9)<br>42–45 FG9 (wheel slot 10)<br>46–49 FG10 (wheel slot 11)<br>50–53 FG11 (wheel slot 12)<br>54–57 FG12 (wheel slot 13)<br>58–61 FG13 (wheel slot 14)<br>62–65 FG14 (wheel slot 15)<br>66–69 FG15 (wheel slot 16)<br>70–73 FG16 (wheel slot 17)<br>74–77 FG17 (wheel slot 18)<br>78–81 FG18 (wheel slot 19)<br>82–87 FG1 Shake (wheel slot 2)<br>88–93 FG2 Shake (wheel slot 3)<br>94–99 FG3 Shake (wheel slot 4)<br>100–105 FG4 Shake (wheel slot 5)<br>106–111 FG5 Shake (wheel slot 6)<br>112–117 FG6 Shake (wheel slot 7)<br>118–123 FG7 Shake (wheel slot 8)<br>124–129 FG8 Shake (wheel slot 9)<br>130–135 FG9 Shake (wheel slot 10)<br>136–141 FG10 Shake (wheel slot 11)<br>142–147 FG11 Shake (wheel slot 12)<br>148–153 FG12 Shake (wheel slot 13)<br>154–159 FG13 Shake (wheel slot 14)<br>160–165 FG14 Shake (wheel slot 15)<br>166–171 FG15 Shake (wheel slot 16)<br>172–177 FG16 Shake (wheel slot 17)<br>178–183 FG17 Shake (wheel slot 18)<br>184–189 FG18 Shake (wheel slot 19)<br>190–190 >>><br>191–220 >><br>221–221 ><br>222–223 Stop<br>224–224 <<br>225–254 <<<br>255–255 <<< |
| **25** | Gobo 2 Fine | 0 | Fine byte of Gobo 2 |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **26** | Prism | 0 | 0–63 Open (wheel slot 1)<br>64–95 32 Prism (wheel slot 2)<br>96–127 16 Prism (wheel slot 3)<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 |
| **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** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **29** | Prism | 0 | 0–63 Open (wheel slot 1)<br>64–95 4 Prism (wheel slot 2)<br>96–255 8 Prism (wheel slot 3) |
| **30** | 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 <<< |
| **31** | Prism Rotation Fine | 0 | Fine byte of Prism Rotation |
| **32** | Frost1 | 0 | 0–254 Open<br>255–255 100% Frost |
| **33** | Frost2 | 0 | 0–254 Open<br>255–255 100% Frost |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **34** | Control1 | 0 | 0–19 Normal<br>20–29 Col any pos<br>30–39 Col/Gobo any pos<br>40–49 Lamp On<br>50–79 Lamp Off<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 Shutter<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>220–239 Internal pro 7<br>240–241 Home Pos On<br>242–255 Home Pos Off |