Terbly

# GLW1960FX IP



| | |
|---|---|
| Manufacturer | **Terbly** |
| Type | **Moving head** |
| DMX modes | **4** |
| DMX footprint | **1, 4, 29, 101 channels** |
| Beam angle | **7.4-73.4°** |
| Pan range | **540°** |
| Tilt range | **270°** |
| Heads / cells | **2** |
| Size (W × H × D) | **376 × 237 × 374 mm** |
| GDTF fixture type | **E8CC9FB5-D118-4D8B-A942-36…** |

## Controls

Zoom · Extra LED colours · RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

## Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

## DMX modes

| | |
|---|---|
| Spark Pixel | 1 ch |
| RGBW Pixel | 4 ch |
| Standard | 29 ch |
| Extended | 101 ch |

## Spark Pixel

1 channel

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Dimmer | 0 | |

## RGBW Pixel

4 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Red | 0 | |
| 2 | Green | 0 | |
| 3 | Blue | 0 | |
| 4 | White | 0 | |

## Standard

29 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 128 | |
| 2 | Pan Fine | 0 | Fine byte of Pan |
| 3 | Tilt | 127 | |
| 4 | Tilt Fine | 255 | Fine byte of Tilt |
| 5 | Position MSpeed | 0 | 0–224 max<br>225–225 min<br>226–235 BO by Movement<br>236–255 no function |
| 6 | Pan Rotate | 0 | 0–127 No function<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| 7 | Tilt Rotate | 0 | 0–127 No function<br>128–128 >>><br>129–188 >><br>189–189 ><br>190–193 Stop<br>194–194 <<br>195–254 <<<br>255–255 <<< |
| 8 | 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 · maxRnd 25 Hz<br>224–255 Open 4 |
| 9 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Dimmer Curve | 0 | 0–20 Standard<br>21–40 Stage<br>41–60 TV<br>61–80 Architectural<br>81–100 Theatre<br>101–255 Default |
| **11** | Zoom | 128 | 0–127 narrow<br>128–254 normal<br>255–255 wide |
| **12** | Red | 255 | |
| **13** | Red Fine | 255 | Fine byte of Red |
| **14** | Green | 255 | |
| **15** | Green Fine | 255 | Fine byte of Green |
| **16** | Blue | 255 | |
| **17** | Blue Fine | 255 | Fine byte of Blue |
| **18** | White | 0 | |
| **19** | White Fine | 0 | Fine byte of White |
| **20** | Color Macro1 | 0 | 0–7 Normal<br>8–39 Red to Yellow<br>40–71 Yellow to Green<br>72–103 Green to Cyan<br>104–135 Cyan to Blue<br>136–167 Blue to Magenta<br>168–199 Magenta to Red<br>200–231 Red to White<br>232–255 Cross fading |
| **21** | Color Wheel | 0 | 0–4 No function (wheel slot 1)<br>5–9 2700K (wheel slot 2)<br>10–14 3200K (wheel slot 3)<br>15–19 4300K (wheel slot 4)<br>20–24 5600K (wheel slot 5)<br>25–29 6500K (wheel slot 6)<br>30–34 8000K (wheel slot 7)<br>35–39 Red (wheel slot 8)<br>40–44 Green (wheel slot 9)<br>45–49 Blue (wheel slot 10)<br>50–54 Natural White (wheel slot 11)<br>55–59 Full White (wheel slot 12)<br>60–64 Yellow (wheel slot 13)<br>65–69 Magenta (wheel slot 14)<br>70–74 Cyan (wheel slot 15)<br>75–79 Salmon (wheel slot 16)<br>80–84 Turquoise (wheel slot 17)<br>85–89 Light Green (wheel slot 18)<br>90–94 Steel Blue (wheel slot 19)<br>95–99 Orange (wheel slot 20)<br>100–104 Straw (wheel slot 21)<br>105–109 Pale Lavander (wheel slot 22)<br>110–114 Pink (wheel slot 23)<br>115–119 Red/White (wheel slot 24)<br>120–124 Green/Red (wheel slot 25)<br>125–129 Blue/Red (wheel slot 26)<br>130–134 White/Red (wheel slot 27)<br>135–139 White/Pink (wheel slot 28)<br>140–144 White/Turquoise (wheel slot 29)<br>145–255 Small Red/White (wheel slot 30) |
| **22** | Color Dim | 0 | 0–254 Open<br>255–255 Closed |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **23** | Effect | 0 | 0–25 Safe<br>26–35 Chase 1<br>36–45 Chase 2<br>46–55 Chase 3<br>56–65 Chase 4<br>66–75 Chase 5<br>76–85 Chase 6<br>86–95 Chase 7<br>96–105 Chase 8<br>106–115 Chase 9<br>116–125 Chase 10<br>126–135 Chase 11<br>136–145 Chase 12<br>146–155 Chase 13<br>156–165 Chase 14<br>166–175 Chase 15<br>176–185 Chase 16<br>186–195 Chase 17<br>196–205 Chase 18<br>206–215 Chase 19<br>216–225 Chase 20<br>226–235 Chase 21<br>236–245 Chase 22<br>246–255 Chase 23 |
| **24** | Effect Speed | 0 | 0–0 >>><br>1–124 >><br>125–125 ><br>126–130 Stop<br>131–131 <<br>132–254 <<br>255–255 <<< |
| **25** | Effects1Fade | 0 | |
| **26** | Color Calibration Mode | 0 | 0–189 No function<br>190–254 Edit a new white balance<br>255–255 Store a new white balance |
| **27** | Control1 | 0 | 0–39 Normal<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>55–57 Fan Studio<br>58–60 Fan Mute<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>85–90 Reset P/T<br>91–93 Store white balance enabled<br>97–99 Reset Zoom<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 |

### Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **28** | 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 · maxRnd 25 Hz<br>224–255 Open 4 |
| **29** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |

## Extended

101 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 128 | |
| **2** | Pan Fine | 0 | Fine byte of Pan |
| **3** | Tilt | 127 | |
| **4** | Tilt Fine | 255 | Fine byte of Tilt |
| **5** | Position MSpeed | 0 | |
| **6** | Pan Rotate | 0 | |
| **7** | Tilt Rotate | 0 | |
| **8** | 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 · maxRnd 25 Hz<br>224–255 Open 4 |
| **9** | Dimmer | 0 | |
| **10** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **11** | Dimmer Curve | 0 | |
| **12** | Zoom | 128 | |
| **13** | Zoom Fine | 128 | Fine byte of Zoom |
| **14** | Color Macro1 | 0 | |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Color Wheel | 0 | 0–4 No function (wheel slot 1)<br>5–9 2700K (wheel slot 2)<br>10–14 3200K (wheel slot 3)<br>15–19 4300K (wheel slot 4)<br>20–24 5600K (wheel slot 5)<br>25–29 6500K (wheel slot 6)<br>30–34 8000K (wheel slot 7)<br>35–39 Red (wheel slot 8)<br>40–44 Green (wheel slot 9)<br>45–49 Blue (wheel slot 10)<br>50–54 Natural White (wheel slot 11)<br>55–59 Full White (wheel slot 12)<br>60–64 Yellow (wheel slot 13)<br>65–69 Magenta (wheel slot 14)<br>70–74 Cyan (wheel slot 15)<br>75–79 Salmon (wheel slot 16)<br>80–84 Turquoise (wheel slot 17)<br>85–89 Light Green (wheel slot 18)<br>90–94 Steel Blue (wheel slot 19)<br>95–99 Orange (wheel slot 20)<br>100–104 Straw (wheel slot 21)<br>105–109 Pale Lavander (wheel slot 22)<br>110–114 Pink (wheel slot 23)<br>115–119 Red/White (wheel slot 24)<br>120–124 Green/Red (wheel slot 25)<br>125–129 Blue/Red (wheel slot 26)<br>130–134 White/Red (wheel slot 27)<br>135–139 White/Pink (wheel slot 28)<br>140–144 White/Turquoise (wheel slot 29)<br>145–255 Small Red/White (wheel slot 30) |
| **16** | Color Dim | 0 | |
| **17** | Effect | 0 | 0–25 Safe<br>26–35 Chase 1<br>36–45 Chase 2<br>46–55 Chase 3<br>56–65 Chase 4<br>66–75 Chase 5<br>76–85 Chase 6<br>86–95 Chase 7<br>96–105 Chase 8<br>106–115 Chase 9<br>116–125 Chase 10<br>126–135 Chase 11<br>136–145 Chase 12<br>146–155 Chase 13<br>156–165 Chase 14<br>166–175 Chase 15<br>176–185 Chase 16<br>186–195 Chase 17<br>196–205 Chase 18<br>206–215 Chase 19<br>216–225 Chase 20<br>226–235 Chase 21<br>236–245 Chase 22<br>246–255 Chase 23 |
| **18** | Effect Speed | 0 | |
| **19** | Effects1Fade | 0 | |
| **20** | Color Calibration Mode | 0 | |
| **21** | Control1 | 0 | |
| **22** | Red | 255 | |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **23** | Green | 255 | |
| **24** | Blue | 255 | |
| **25** | White | 0 | |
| **26** | Reserved 26 | 0 | |
| **27** | Reserved 27 | 0 | |
| **28** | Reserved 28 | 0 | |
| **29** | Reserved 29 | 0 | |
| **30** | Reserved 30 | 0 | |
| **31** | Reserved 31 | 0 | |
| **32** | Reserved 32 | 0 | |
| **33** | Reserved 33 | 0 | |
| **34** | Reserved 34 | 0 | |
| **35** | Reserved 35 | 0 | |
| **36** | Reserved 36 | 0 | |
| **37** | Reserved 37 | 0 | |
| **38** | Reserved 38 | 0 | |
| **39** | Reserved 39 | 0 | |
| **40** | Reserved 40 | 0 | |
| **41** | Reserved 41 | 0 | |
| **42** | Reserved 42 | 0 | |
| **43** | Reserved 43 | 0 | |
| **44** | Reserved 44 | 0 | |
| **45** | Reserved 45 | 0 | |
| **46** | Reserved 46 | 0 | |
| **47** | Reserved 47 | 0 | |
| **48** | Reserved 48 | 0 | |
| **49** | Reserved 49 | 0 | |
| **50** | Reserved 50 | 0 | |
| **51** | Reserved 51 | 0 | |
| **52** | Reserved 52 | 0 | |
| **53** | Reserved 53 | 0 | |
| **54** | Reserved 54 | 0 | |
| **55** | Reserved 55 | 0 | |
| **56** | Reserved 56 | 0 | |
| **57** | Reserved 57 | 0 | |
| **58** | Reserved 58 | 0 | |
| **59** | Reserved 59 | 0 | |
| **60** | Reserved 60 | 0 | |
| **61** | Reserved 61 | 0 | |
| **62** | Reserved 62 | 0 | |
| **63** | Reserved 63 | 0 | |
| **64** | Reserved 64 | 0 | |
| **65** | Reserved 65 | 0 | |
| **66** | Reserved 66 | 0 | |
| **67** | Reserved 67 | 0 | |

## Extended (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **68** | Reserved 68 | 0 | |
| **69** | Reserved 69 | 0 | |
| **70** | Reserved 70 | 0 | |
| **71** | Reserved 71 | 0 | |
| **72** | Reserved 72 | 0 | |
| **73** | Reserved 73 | 0 | |
| **74** | Reserved 74 | 0 | |
| **75** | Reserved 75 | 0 | |
| **76** | Reserved 76 | 0 | |
| **77** | Reserved 77 | 0 | |
| **78** | Reserved 78 | 0 | |
| **79** | Reserved 79 | 0 | |
| **80** | Reserved 80 | 0 | |
| **81** | Reserved 81 | 0 | |
| **82** | Reserved 82 | 0 | |
| **83** | Reserved 83 | 0 | |
| **84** | Reserved 84 | 0 | |
| **85** | Reserved 85 | 0 | |
| **86** | Reserved 86 | 0 | |
| **87** | Reserved 87 | 0 | |
| **88** | Reserved 88 | 0 | |
| **89** | Reserved 89 | 0 | |
| **90** | Reserved 90 | 0 | |
| **91** | Reserved 91 | 0 | |
| **92** | Reserved 92 | 0 | |
| **93** | Reserved 93 | 0 | |
| **94** | Reserved 94 | 0 | |
| **95** | Reserved 95 | 0 | |
| **96** | Reserved 96 | 0 | |
| **97** | Reserved 97 | 0 | |
| **98** | 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 · maxRnd 25 Hz<br>224–255 Open 4 |
| **99** | Dimmer | 0 | |
| **100** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **101** | Dimmer | 255 | |