SHEHDS

# Pixel LED Beam+Wash 19x20W RGBWA UV Zoom Moving Head Light With Mobile App



| | |
|---|---|
| Manufacturer | **SHEHDS** |
| Type | **Moving head** |
| DMX modes | **2** |
| DMX footprint | **30, 50 channels** |
| Beam angle | **10.5-67°** |
| Pan range | **540°** |
| Tilt range | **190°** |
| Heads / cells | **6** |
| Size (W × H × D) | **300 × 300 × 200 mm** |
| GDTF fixture type | **FCDD9B36-8C77-5619-919F-C0…** |

## Controls

Zoom · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

## Safety-relevant functions

Built-in effect programmes

## DMX modes

| | |
|---|---|
| 30 Channels Mode | 30 ch |
| 50 Channels Mode | 50 ch |

## 30 Channels Mode

30 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 128 | |
| 2 | Tilt | 128 | |
| 3 | Position MSpeed | 0 | |
| 4 | Dimmer | 0 | |
| 5 | Shutter / Strobe | 104 | 0–3 Off<br>4–103 Strobe speeds from slow to fast 1–25 Hz<br>104–107 Light up<br>108–207 Strobe speeds from slow to fast 1–25 Hz<br>208–212 Light up<br>213–251 Random strobinge<br>252–255 Light up |
| 6 | Red | 0 | |
| 7 | Green | 0 | |
| 8 | Blue | 0 | |
| 9 | White | 0 | |
| 10 | Amber | 0 | |
| 11 | UV | 0 | |
| 12 | Zoom | 0 | |
| 13 | Color Macro1 | 0 | 0–9 None<br>10–19 Red<br>20–29 Green<br>30–39 Blue<br>40–49 White<br>50–59 Yellow<br>60–69 Purple<br>70–79 Sky Blue<br>80–89 Ivory White<br>90–99 Siena Color<br>100–109 Cinnamon<br>110–119 Orange<br>120–129 Scarlet<br>130–139 Cherry Red<br>140–149 Raspberry Red<br>150–159 Lavender<br>160–169 Magenta<br>170–179 Grape Purple<br>180–189 Bright Purple<br>190–199 Egyptian Blue<br>200–209 Bright Blue<br>210–219 Just Blue<br>220–229 Light Blue<br>230–239 Electric Blue<br>240–249 Sea Blue<br>250–255 Light Blue |
| 14 | C TO | 0 | |

## 30 Channels Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **15** | Control1 | 0 | 0–10 None<br>11–20 Linear curve dimming<br>21–30 Inverse Square Curve Dimming<br>31–40 Square Curve Dimming<br>41–50 S-shaped curve dimming<br>51–80 None<br>81–90 Automatic mode, speed changes from slow to fast<br>91–100 Audio Mode<br>101–110 None<br>111–120 Horizontal Reverse: Open<br>121–130 Horizontal Reversal: Close<br>131–140 Vertical Reverse: Open<br>141–150 Vertical Reverse: Close<br>151–160 Reset all motors<br>161–255 None |
| **16** | Dimmer | 0 | |
| **17** | Shutter / Strobe 2 | 0 | 0–49 On<br>50–200 Synchronous strobe 1–25 Hz<br>201–210 On<br>211–255 Random flicker |
| **18** | Red | 0 | |
| **19** | Green | 0 | |
| **20** | Blue | 0 | |
| **21** | Effect 2 | 0 | 0–19 None<br>20–22 Ring Effect 1<br>23–25 Ring Effect 2<br>26–28 Ring Effect 3<br>29–247 Ring Effect 4-71 (printed ".....")<br>248–250 Ring Effect 72<br>251–255 Ring Effect 73 |
| **22** | Effect Speed 2 | 0 | |
| **23** | Dimmer | 0 | |
| **24** | Shutter / Strobe 3 | 0 | 0–49 Off<br>50–200 Synchronous strobe 1–25 Hz<br>201–210 Off<br>211–255 Random strobe |
| **25** | Red | 0 | |
| **26** | Green | 0 | |
| **27** | Blue | 0 | |

### 30 Channels Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **28** | Color Macro2 | 0 | 0–9 None<br>10–19 Red<br>20–29 Green<br>30–39 Blue<br>40–49 white<br>50–59 yellow<br>60–69 purple<br>70–79 ching<br>80–89 sky blue<br>90–99 Siena color<br>100–109 amber<br>110–119 orange<br>120–129 scarlet<br>130–139 bright cherry-red<br>140–149 Cute Red<br>150–159 Raspberry Red<br>160–169 amaranth<br>170–179 grape purple<br>180–189 Lavender purple<br>190–199 Egyptian blue<br>200–209 sapphirine<br>210–219 Pure Blue<br>220–229 Light Blue<br>230–239 aqua<br>240–249 marine blue<br>250–255 nattier blue |
| **29** | Effect 3 | 0 | 0–9 None<br>10–11 Pixel effect1<br>12–13 Pixel effect2<br>14–219 Pixel effect3-105 (printed "13-14 Pixel effect3", "... ...")<br>220–221 Pixel effect106<br>222–255 Pixel effect107 |
| **30** | Effect Speed 3 | 0 | 0–127 Pixel effect Speed from fast to slow(forward)<br>128–255 Pixel effect Speed from slow to fast(reverse) |

## 50 Channels Mode

50 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 | |
| **6** | Dimmer | 0 | |
| **7** | Shutter / Strobe | 104 | 0–3 Off<br>4–103 Strobe speeds from slow to fast 1–25 Hz<br>104–107 Light up<br>108–207 Strobe speeds from slow to fast 1–25 Hz<br>208–212 Light up<br>213–251 Random strobinge<br>252–255 Light up |
| **8** | Red | 0 | |
| **9** | Green | 0 | |
| **10** | Blue | 0 | |
| **11** | White | 0 | |
| **12** | Amber | 0 | |

## 50 Channels Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **13** | UV | 0 | |
| **14** | Zoom | 0 | |
| **15** | Color Macro1 | 0 | 0–9 None<br>10–19 Red<br>20–29 Green<br>30–39 Blue<br>40–49 White<br>50–59 Yellow<br>60–69 Purple<br>70–79 Sky Blue<br>80–89 Ivory White<br>90–99 Siena Color<br>100–109 Cinnamon<br>110–119 Orange<br>120–129 Scarlet<br>130–139 Cherry Red<br>140–149 Raspberry Red<br>150–159 Lavender<br>160–169 Magenta<br>170–179 Grape Purple<br>180–189 Bright Purple<br>190–199 Egyptian Blue<br>200–209 Bright Blue<br>210–219 Just Blue<br>220–229 Light Blue<br>230–239 Electric Blue<br>240–249 Sea Blue<br>250–255 Light Blue |
| **16** | C TO | 0 | |
| **17** | Control1 | 0 | 0–10 None<br>11–20 Linear curve dimming<br>21–30 Inverse Square Curve Dimming<br>31–40 Square Curve Dimming<br>41–50 S-shaped curve dimming<br>51–80 None<br>81–90 Automatic mode, speed changes from slow to fast<br>91–100 Audio Mode<br>101–110 None<br>111–120 Horizontal Reverse: Open<br>121–130 Horizontal Reversal: Close<br>131–140 Vertical Reverse: Open<br>141–150 Vertical Reverse: Close<br>151–160 Reset all motors<br>161–255 None |
| **18** | Dimmer | 0 | |
| **19** | Shutter / Strobe 2 | 0 | 0–49 On<br>50–200 Synchronous strobe 1–25 Hz<br>201–210 On<br>211–255 Random flicker |
| **20** | Red | 0 | |
| **21** | Green | 0 | |
| **22** | Blue | 0 | |
| **23** | Effect 2 | 0 | 0–19 None<br>20–22 Ring Effect 1<br>23–25 Ring Effect 2<br>26–28 Ring Effect 3<br>29–247 Ring Effect 4-71 (printed ".....")<br>248–250 Ring Effect 72<br>251–255 Ring Effect 73 |

## 50 Channels Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **24** | Effect Speed 2 | 0 | |
| **25** | Red | 0 | |
| **26** | Green | 0 | |
| **27** | Blue | 0 | |
| **28** | White | 0 | |
| **29** | Amber | 0 | |
| **30** | UV | 0 | |
| **31** | Red | 0 | |
| **32** | Green | 0 | |
| **33** | Blue | 0 | |
| **34** | White | 0 | |
| **35** | Amber | 0 | |
| **36** | UV | 0 | |
| **37** | Red | 0 | |
| **38** | Green | 0 | |
| **39** | Blue | 0 | |
| **40** | White | 0 | |
| **41** | Amber | 0 | |
| **42** | UV | 0 | |
| **43** | Dimmer | 0 | |
| **44** | Shutter / Strobe 3 | 0 | 0–49 Off<br>50–200 Synchronous strobe 1–25 Hz<br>201–210 Off<br>211–255 Random strobe |
| **45** | Red | 0 | |
| **46** | Green | 0 | |
| **47** | Blue | 0 | |
| **48** | Color Macro2 | 0 | 0–9 None<br>10–19 Red<br>20–29 Green<br>30–39 Blue<br>40–49 white<br>50–59 yellow<br>60–69 purple<br>70–79 ching<br>80–89 sky blue<br>90–99 Siena color<br>100–109 amber<br>110–119 orange<br>120–129 scarlet<br>130–139 bright cherry-red<br>140–149 Cute Red<br>150–159 Raspberry Red<br>160–169 amaranth<br>170–179 grape purple<br>180–189 Lavender purple<br>190–199 Egyptian blue<br>200–209 sapphirine<br>210–219 Pure Blue<br>220–229 Light Blue<br>230–239 aqua<br>240–249 marine blue<br>250–255 nattier blue |

## 50 Channels Mode (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **49** | Effect 3 | 0 | 0–9 None<br>10–11 Pixel effect1<br>12–13 Pixel effect2<br>14–219 Pixel effect3-105 (printed "13-14 Pixel effect3", "... ...")<br>220–221 Pixel effect106<br>222–255 Pixel effect107 |
| **50** | Effect Speed 3 | 0 | 0–127 Pixel effect Speed from fast to slow(forward)<br>128–255 Pixel effect Speed from slow to fast(reverse) |

Fixture model: gdtf-shehds-pixel-led-beam-wash-19x20w-rgbwa-uv-zoom-moving-head-light-with-mobile-app-control-202611148204
Creator: HitLight
Modifications: Original HitLight 3D housing: scripted parametric geometry modelled by HitLight from public product photos and the manufactu...