GTB

# HP1000



| | |
|---|---|
| Manufacturer | **GTB** |
| Type | **Profile spot** |
| DMX modes | **4** |
| DMX footprint | **20, 26, 29, 35 channels** |
| Beam angle | **5-50°** |
| Pan range | **540°** |
| Tilt range | **270°** |
| Size (W × H × D) | **240 × 450 × 220 mm** |
| GDTF fixture type | **B834A44F-D3FD-416D-B55A-E…** |

## Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Animation wheel · Gobos · Gobo rotation

## Safety-relevant functions

Fixture reset · Strobe

## DMX modes

| | |
|---|---|
| 20CH | 20 ch |
| 26CH | 26 ch |
| 29CH | 29 ch |
| 35CH | 35 ch |

## 20CH

20 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 | P TSpeeed | 0 | |
| 6 | Red | 0 | |
| 7 | Green | 0 | |
| 8 | Blue | 0 | |
| 9 | C TO | 0 | |
| 10 | Color Wheel | 0 | 0–7 Open (wheel slot 1)<br>8–15 Red (wheel slot 2)<br>16–23 Green (wheel slot 3)<br>24–31 Magenta (wheel slot 4)<br>32–39 Orange (wheel slot 5)<br>40–47 Blue (wheel slot 6)<br>48–55 UV (wheel slot 7)<br>56–63 Yellow (wheel slot 8)<br>66–184 max CCW<br>185–189 min CCW<br>191–193 Stop<br>196–254 min CW<br>255–255 max CW |
| 11 | Iris | 0 | |
| 12 | C RI | 0 | 0–30 Open<br>31–255 CRI |
| 13 | Frost1 | 0 | |
| 14 | Frost2 | 0 | |
| 15 | Zoom | 0 | |
| 16 | Focus | 0 | |
| 17 | Shutter / Strobe | 10 | 0–7 Closed<br>8–15 Open<br>16–130 min Strobe<br>131–131 max Strobe<br>132–139 Open<br>140–180 min Pulse Open<br>181–181 max Pulse Open<br>185–189 Open<br>190–230 min Pulse Close<br>231–231 max Pulse Close<br>235–239 Open<br>240–247 Strobe Ran<br>255–255 Open |
| 18 | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| 19 | Dimmer Fine | 0 | Fine byte of Dimmer |

### 20CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Function | 0 | 0–29 None<br>30–39 Dim Square Law<br>40–49 Dim Inv Square Law<br>50–59 Dim Curve Line<br>60–69 Dim Curve S<br>70–79 Standard<br>80–89 Quiet<br>90–99 None<br>100–109 Frequency Setting<br>110–119 Frequency Disable<br>120–179 None<br>180–189 Dimmer Fast<br>190–199 Dim Smooth<br>200–209 Reset All<br>210–219 Reset Eff<br>220–229 Reset PT<br>230–251 None<br>252–255 Full Mode |

## 26CH

26 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** | P TSpeeed | 0 | |
| **6** | Red | 0 | |
| **7** | Green | 0 | |
| **8** | Blue | 0 | |
| **9** | C TO | 0 | |
| **10** | Color Wheel | 0 | 0–7 Open (wheel slot 1)<br>8–15 Red (wheel slot 2)<br>16–23 Green (wheel slot 3)<br>24–31 Magenta (wheel slot 4)<br>32–39 Orange (wheel slot 5)<br>40–47 Blue (wheel slot 6)<br>48–55 UV (wheel slot 7)<br>56–63 Yellow (wheel slot 8)<br>66–184 max CCW<br>185–189 min CCW<br>191–193 Stop<br>196–254 min CW<br>255–255 max CW |

## 26CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **11** | Gobo | 0 | 0–5 Open (wheel slot 1)<br>6–15 Gobo1 (wheel slot 2)<br>16–25 Gobo2 (wheel slot 3)<br>26–35 Gobo3 (wheel slot 4)<br>36–45 Gobo4 (wheel slot 5)<br>46–55 Gobo5 (wheel slot 6)<br>56–65 Gobo6 (wheel slot 7)<br>66–75 Gobo7 (wheel slot 8)<br>76–92 Gobo1 Shake (wheel slot 2)<br>93–109 Gobo2 Shake (wheel slot 3)<br>110–126 Gobo3 Shake (wheel slot 4)<br>127–143 Gobo4 Shake (wheel slot 5)<br>144–160 Gobo5 Shake (wheel slot 6)<br>161–177 Gobo6 Shake (wheel slot 7)<br>178–201 Gobo7 Shake (wheel slot 8)<br>203–224 max CCW<br>225–227 min CCW<br>228–229 Stop<br>232–254 min CW<br>255–255 max CW |
| **12** | Gobo Rotation | 0 | 0–0 Open<br>1–127 Gobo1Index<br>128–188 max CCW<br>189–191 min CCW<br>194–254 min CW<br>255–255 max CW |
| **13** | Gobo 2 | 0 | 0–4 Open (wheel slot 1)<br>5–12 Gobo1 (wheel slot 2)<br>13–20 Gobo2 (wheel slot 3)<br>21–28 Gobo3 (wheel slot 4)<br>29–36 Gobo4 (wheel slot 5)<br>37–44 Gobo5 (wheel slot 6)<br>45–52 Gobo6 (wheel slot 7)<br>53–60 Gobo7 (wheel slot 8)<br>61–76 Gobo8 (wheel slot 9)<br>77–89 Gobo1 Shake (wheel slot 2)<br>90–102 Gobo2 Shake (wheel slot 3)<br>103–115 Gobo3 Shake (wheel slot 4)<br>116–128 Gobo4 Shake (wheel slot 5)<br>129–141 Gobo5 Shake (wheel slot 6)<br>142–154 Gobo6 Shake (wheel slot 7)<br>155–167 Gobo7 Shake (wheel slot 8)<br>168–201 Gobo8 Shake (wheel slot 9)<br>204–224 max CCW<br>225–227 min CCW<br>228–229 Stop<br>232–254 min CW<br>255–255 max CW |
| **14** | Animation Wheel1 | 0 | 0–6 Open<br>10–124 max CCW<br>125–129 min CCW<br>132–133 Stop<br>136–254 min CW<br>255–255 max CW |
| **15** | Iris | 0 | |
| **16** | Prism | 0 | 3–7 Open (wheel slot 1)<br>125–131 Prism1 (wheel slot 2)<br>255–255 Prism2 (wheel slot 3) |

### 26CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **17** | Prism Rotation | 0 | 0–127 Index<br>130–187 max CCW<br>188–190 minCCW<br>191–192 Stop<br>195–254 min CW<br>255–255 max CW |
| **18** | C RI | 0 | 0–30 Open<br>31–255 CRI |
| **19** | Frost1 | 0 | |
| **20** | Frost2 | 0 | |
| **21** | Zoom | 0 | |
| **22** | Focus | 0 | |
| **23** | Shutter / Strobe | 10 | 0–7 Closed<br>8–15 Open<br>16–130 min Strobe<br>131–131 max Strobe<br>132–139 Open<br>140–180 min Pulse Open<br>181–181 max Pulse Open<br>185–189 Open<br>190–230 min Pulse Close<br>231–231 max Pulse Close<br>235–239 Open<br>240–247 Strobe Ran<br>255–255 Open |
| **24** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **25** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **26** | Function | 0 | 0–29 None<br>30–39 Dim Square Law<br>40–49 Dim Inv Square Law<br>50–59 Dim Curve Line<br>60–69 Dim Curve S<br>70–79 Standard<br>80–89 Quiet<br>90–99 None<br>100–109 Frequency Setting<br>110–119 Frequency Disable<br>120–179 None<br>180–189 Dimmer Fast<br>190–199 Dim Smooth<br>200–209 Reset All<br>210–219 Reset Eff<br>220–229 Reset PT<br>230–251 None<br>252–255 Full Mode |

## 29CH

29 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** | P TSpeeed | 0 | |
| **6** | Red | 0 | |

## 29CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **7** | Green | 0 | |
| **8** | Blue | 0 | |
| **9** | C TO | 0 | |
| **10** | Color Wheel | 0 | 0–7 Open (wheel slot 1)<br>8–15 Red (wheel slot 2)<br>16–23 Green (wheel slot 3)<br>24–31 Magenta (wheel slot 4)<br>32–39 Orange (wheel slot 5)<br>40–47 Blue (wheel slot 6)<br>48–55 UV (wheel slot 7)<br>56–63 Yellow (wheel slot 8)<br>66–184 max CCW<br>185–189 min CCW<br>191–193 Stop<br>196–254 min CW<br>255–255 max CW |
| **11** | Gobo | 0 | 0–5 Open (wheel slot 1)<br>6–15 Gobo1 (wheel slot 2)<br>16–25 Gobo2 (wheel slot 3)<br>26–35 Gobo3 (wheel slot 4)<br>36–45 Gobo4 (wheel slot 5)<br>46–55 Gobo5 (wheel slot 6)<br>56–65 Gobo6 (wheel slot 7)<br>66–75 Gobo7 (wheel slot 8)<br>76–92 Gobo1 Shake (wheel slot 2)<br>93–109 Gobo2 Shake (wheel slot 3)<br>110–126 Gobo3 Shake (wheel slot 4)<br>127–143 Gobo4 Shake (wheel slot 5)<br>144–160 Gobo5 Shake (wheel slot 6)<br>161–177 Gobo6 Shake (wheel slot 7)<br>178–201 Gobo7 Shake (wheel slot 8)<br>203–224 max CCW<br>225–227 min CCW<br>228–229 Stop<br>232–254 min CW<br>255–255 max CW |
| **12** | C RI | 0 | 0–30 Open<br>31–255 CRI |
| **13** | Frost1 | 0 | |
| **14** | Frost2 | 0 | |
| **15** | Zoom | 0 | |
| **16** | Focus | 0 | |
| **17** | Shutter / Strobe | 10 | 0–7 Closed<br>8–15 Open<br>16–130 min Strobe<br>131–131 max Strobe<br>132–139 Open<br>140–180 min Pulse Open<br>181–181 max Pulse Open<br>185–189 Open<br>190–230 min Pulse Close<br>231–231 max Pulse Close<br>235–239 Open<br>240–247 Strobe Ran<br>255–255 Open |
| **18** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **19** | Dimmer Fine | 0 | Fine byte of Dimmer |

### 29CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **20** | Blade1Rot | 0 | 0–127 Blade1Rot 1<br>128–128 Blade1Rot 2<br>129–255 Blade1Rot 3 |
| **21** | Blade1A | 0 | |
| **22** | Blade1B | 0 | |
| **23** | Blade2A | 0 | |
| **24** | Blade2B | 0 | |
| **25** | Blade3A | 0 | |
| **26** | Blade3B | 0 | |
| **27** | Blade4A | 0 | |
| **28** | Blade4B | 0 | |
| **29** | Function | 0 | 0–29 None<br>30–39 Dim Square Law<br>40–49 Dim Inv Square Law<br>50–59 Dim Curve Line<br>60–69 Dim Curve S<br>70–79 Standard<br>80–89 Quiet<br>90–99 None<br>100–109 Frequency Setting<br>110–119 Frequency Disable<br>120–179 None<br>180–189 Dimmer Fast<br>190–199 Dim Smooth<br>200–209 Reset All<br>210–219 Reset Eff<br>220–229 Reset PT<br>230–251 None<br>252–255 Full Mode |

## 35CH

35 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** | P TSpeeed | 0 | |
| **6** | Red | 0 | |
| **7** | Green | 0 | |
| **8** | Blue | 0 | |
| **9** | C TO | 0 | |

## 35CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **10** | Color Wheel | 0 | 0–7 Open (wheel slot 1)<br>8–15 Red (wheel slot 2)<br>16–23 Green (wheel slot 3)<br>24–31 Magenta (wheel slot 4)<br>32–39 Orange (wheel slot 5)<br>40–47 Blue (wheel slot 6)<br>48–55 UV (wheel slot 7)<br>56–63 Yellow (wheel slot 8)<br>66–184 max CCW<br>185–189 min CCW<br>191–193 Stop<br>196–254 min CW<br>255–255 max CW |
| **11** | Gobo | 0 | 0–5 Open (wheel slot 1)<br>6–15 Gobo1 (wheel slot 2)<br>16–25 Gobo2 (wheel slot 3)<br>26–35 Gobo3 (wheel slot 4)<br>36–45 Gobo4 (wheel slot 5)<br>46–55 Gobo5 (wheel slot 6)<br>56–65 Gobo6 (wheel slot 7)<br>66–75 Gobo7 (wheel slot 8)<br>76–92 Gobo1 Shake (wheel slot 2)<br>93–109 Gobo2 Shake (wheel slot 3)<br>110–126 Gobo3 Shake (wheel slot 4)<br>127–143 Gobo4 Shake (wheel slot 5)<br>144–160 Gobo5 Shake (wheel slot 6)<br>161–177 Gobo6 Shake (wheel slot 7)<br>178–201 Gobo7 Shake (wheel slot 8)<br>203–224 max CCW<br>225–227 min CCW<br>228–229 Stop<br>232–254 min CW<br>255–255 max CW |
| **12** | Gobo Rotation | 0 | 0–0 Open<br>1–127 Gobo1Index<br>128–188 max CCW<br>189–191 min CCW<br>194–254 min CW<br>255–255 max CW |
| **13** | Gobo 2 | 0 | 0–4 Open (wheel slot 1)<br>5–12 Gobo1 (wheel slot 2)<br>13–20 Gobo2 (wheel slot 3)<br>21–28 Gobo3 (wheel slot 4)<br>29–36 Gobo4 (wheel slot 5)<br>37–44 Gobo5 (wheel slot 6)<br>45–52 Gobo6 (wheel slot 7)<br>53–60 Gobo7 (wheel slot 8)<br>61–76 Gobo8 (wheel slot 9)<br>77–89 Gobo1 Shake (wheel slot 2)<br>90–102 Gobo2 Shake (wheel slot 3)<br>103–115 Gobo3 Shake (wheel slot 4)<br>116–128 Gobo4 Shake (wheel slot 5)<br>129–141 Gobo5 Shake (wheel slot 6)<br>142–154 Gobo6 Shake (wheel slot 7)<br>155–167 Gobo7 Shake (wheel slot 8)<br>168–201 Gobo8 Shake (wheel slot 9)<br>204–224 max CCW<br>225–227 min CCW<br>228–229 Stop<br>232–254 min CW<br>255–255 max CW |

## 35CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **14** | Animation Wheel1 | 0 | 0–6 Open<br>10–124 max CCW<br>125–129 min CCW<br>132–133 Stop<br>136–254 min CW<br>255–255 max CW |
| **15** | Iris | 0 | |
| **16** | Prism | 0 | 3–7 Open (wheel slot 1)<br>125–131 Prism1 (wheel slot 2)<br>255–255 Prism2 (wheel slot 3) |
| **17** | Prism Rotation | 0 | 0–127 Index<br>130–187 max CCW<br>188–190 minCCW<br>191–192 Stop<br>195–254 min CW<br>255–255 max CW |
| **18** | C RI | 0 | 0–30 Open<br>31–255 CRI |
| **19** | Frost1 | 0 | |
| **20** | Frost2 | 0 | |
| **21** | Zoom | 0 | |
| **22** | Focus | 0 | |
| **23** | Shutter / Strobe | 10 | 0–7 Closed<br>8–15 Open<br>16–130 min Strobe<br>131–131 max Strobe<br>132–139 Open<br>140–180 min Pulse Open<br>181–181 max Pulse Open<br>185–189 Open<br>190–230 min Pulse Close<br>231–231 max Pulse Close<br>235–239 Open<br>240–247 Strobe Ran<br>255–255 Open |
| **24** | Dimmer | 0 | 0–254 Closed<br>255–255 Open |
| **25** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **26** | Blade1Rot | 0 | 0–127 Blade1Rot 1<br>128–128 Blade1Rot 2<br>129–255 Blade1Rot 3 |
| **27** | Blade1A | 0 | |
| **28** | Blade1B | 0 | |
| **29** | Blade2A | 0 | |
| **30** | Blade2B | 0 | |
| **31** | Blade3A | 0 | |
| **32** | Blade3B | 0 | |
| **33** | Blade4A | 0 | |
| **34** | Blade4B | 0 | |

## 35CH (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **35** | Function | 0 | 0–29 None<br>30–39 Dim Square Law<br>40–49 Dim Inv Square Law<br>50–59 Dim Curve Line<br>60–69 Dim Curve S<br>70–79 Standard<br>80–89 Quiet<br>90–99 None<br>100–109 Frequency Setting<br>110–119 Frequency Disable<br>120–179 None<br>180–189 Dimmer Fast<br>190–199 Dim Smooth<br>200–209 Reset All<br>210–219 Reset Eff<br>220–229 Reset PT<br>230–251 None<br>252–255 Full Mode |