High End Systems

# Lonestar Prime



| | |
|---|---|
| Manufacturer | **High End Systems** |
| Type | **Profile spot** |
| DMX modes | **2** |
| DMX footprint | **52 channels** |
| Beam angle | **3.8-55°** |
| Pan range | **540°** |
| Tilt range | **220°** |
| Size (W × H × D) | **250 × 409 × 262 mm** |
| GDTF fixture type | **92D8BCDD-47F1-43E1-985B-3E…** |

## Controls

Fan · Frost · Iris · Prism · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Animation wheel · Gobos · Gobo rotation

## Safety-relevant functions

Haze or smoke output · Fixture reset · Service functions · Strobe

## DMX modes

| | |
|---|---|
| Standard | 52 ch |
| Trifusion | 52 ch |

## Standard

52 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 1 | Pan | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| 2 | Pan Fine | 255 | Fine byte of Pan |
| 3 | Tilt | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| 4 | Tilt Fine | 255 | Fine byte of Tilt |
| 5 | Color Mix Mode | 0 | 0–31 Pure Mix<br>32–47 Cycle<br>48–63 Random<br>64–79 Pure Mix Fast<br>80–95 Cycle Fast<br>96–127 Random Fast<br>128–159 Pure Mix<br>160–175 Cycle<br>176–191 Random<br>192–207 Pure Mix Fast<br>208–223 Cycle Fast<br>224–255 Random Fast |
| 6 | Cyan | 255 | |
| 7 | Magenta | 255 | |
| 8 | Yellow | 255 | |
| 9 | C TO | 255 | 0–254 Full Saturation<br>255–255 Open |
| 10 | Color Wheel1Mode | 48 | 0–15 Indexed<br>16–31 Forward Spin<br>32–47 Reverse Spin<br>48–63 Continuous<br>64–79 Scan<br>80–255 Random |
| 11 | Color Wheel1 | 0 | 0–3 Open (wheel slot 1)<br>4–10 Slow<br>11–21 Open/Red<br>22–32 Red (wheel slot 2)<br>33–43 Red/Blue<br>44–54 Blue (wheel slot 3)<br>55–65 Blue/Green<br>66–76 Green (wheel slot 4)<br>77–87 Green/Yellow<br>88–98 Yellow (wheel slot 5)<br>99–109 Yellow/Purple<br>110–120 Purple (wheel slot 6)<br>121–131 Purple/TM-30<br>132–142 TM-30 (wheel slot 7)<br>143–153 TM-30/Lavender<br>154–164 Lavender (wheel slot 8)<br>165–175 Lavender/Half CTO<br>176–186 Half CTO (wheel slot 9)<br>187–197 Half CTO/Full CTO<br>198–208 Full CTO (wheel slot 10)<br>209–219 Full CTO/Dark Blue<br>220–230 Dark Blue (wheel slot 11)<br>231–241 Dark Blue/Open<br>242–254 Open (wheel slot 1)<br>255–255 Fast |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| 12 | Gobo Wheel1Mode | 0 | 0–15 Indexed<br>16–31 Forward Spin<br>32–47 Reverse Spin<br>48–63 Scan<br>64–255 Random |
| 13 | Gobo | 0 | 0–15 Open (wheel slot 1)<br>16–31 Shattered (wheel slot 2)<br>32–47 Misc Spots (wheel slot 3)<br>48–63 Light Organic (wheel slot 4)<br>64–79 Thatch (wheel slot 5)<br>80–95 Across (wheel slot 6)<br>96–111 Triangles (wheel slot 7)<br>112–127 Daisey (wheel slot 8)<br>128–143 Shower (wheel slot 9)<br>144–159 Fractated (wheel slot 10)<br>160–255 Needle (wheel slot 11) |
| 14 | Gobo1Mode | 0 | 0–15 Indexed<br>16–31 Forward Spin<br>32–47 Reverse Spin<br>48–63 Forward Animate<br>64–255 Reverse Animate |
| 15 | Gobo Rotation | 127 | 0–3 0<br>4–126 Slow<br>127–254 180<br>255–255 359 |
| 16 | Gobo Rotation Fine | 255 | Fine byte of Gobo Rotation |
| 17 | Gobo2Wheel Mode | 0 | 0–15 Indexed<br>16–31 Forward Spin<br>32–47 Reverse Spin<br>48–63 Scan<br>64–255 Random |
| 18 | Gobo 2 | 0 | 0–15 Open (wheel slot 1)<br>16–31 Shattered (wheel slot 2)<br>32–47 Misc Spots (wheel slot 3)<br>48–63 Light Organic (wheel slot 4)<br>64–79 Thatch (wheel slot 5)<br>80–95 Across (wheel slot 6)<br>96–111 Triangles (wheel slot 7)<br>112–127 Daisey (wheel slot 8)<br>128–143 Shower (wheel slot 9)<br>144–159 Fractated (wheel slot 10)<br>160–255 Needle (wheel slot 11) |
| 19 | Blade1A | 0 | 0–254 Removed<br>255–255 Inserted |
| 20 | Blade1B | 0 | 0–254 Removed<br>255–255 Inserted |
| 21 | Blade2A | 0 | 0–254 Removed<br>255–255 Inserted |
| 22 | Blade2B | 0 | 0–254 Removed<br>255–255 Inserted |
| 23 | Blade3A | 0 | 0–254 Removed<br>255–255 Inserted |
| 24 | Blade3B | 0 | 0–254 Removed<br>255–255 Inserted |
| 25 | Blade4A | 0 | 0–254 Removed<br>255–255 Inserted |

## Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **26** | Blade4B | 0 | 0–254 Removed<br>255–255 Inserted |
| **27** | Shaper Rot | 127 | 0–126 -60<br>127–254 0<br>255–255 60 |
| **28** | Shaper Rot Fine | 255 | Fine byte of Shaper Rot |
| **29** | Animation Insertion | 0 | 0–254 Removed (wheel slot 2)<br>255–255 Inserted (wheel slot 1) |
| **30** | Animation Wheel1 | 0 | 0–0 Stop (wheel slot 1)<br>1–62 Slow (wheel slot 1)<br>63–63 Fast (wheel slot 1)<br>64–64 Stop (wheel slot 1)<br>65–126 Slow (wheel slot 1)<br>127–127 Fast (wheel slot 1)<br>128–128 Stop (wheel slot 1)<br>129–190 Slow (wheel slot 1)<br>191–191 Fast (wheel slot 1)<br>192–192 Stop (wheel slot 1)<br>193–254 Slow (wheel slot 1)<br>255–255 Fast (wheel slot 1) |
| **31** | Prism1Mode | 0 | 0–15 Removed (wheel slot 2)<br>16–31 Continuous (wheel slot 1)<br>32–47 Forward Spin (wheel slot 1)<br>48–63 Reverse Spin (wheel slot 1)<br>64–79 Forward Animate (wheel slot 1)<br>80–255 Reverse Animate (wheel slot 1) |
| **32** | Prism | 127 | 0–3 Removed (wheel slot 2)<br>4–126 Slow (wheel slot 1)<br>127–254 180 (wheel slot 1)<br>255–255 359 (wheel slot 1) |
| **33** | Prism Fine | 255 | Fine byte of Prism |
| **34** | Prism2Mode | 0 | 0–15 Removed (wheel slot 2)<br>16–31 Continuous (wheel slot 1)<br>32–47 Forward Spin (wheel slot 1)<br>48–63 Reverse Spin (wheel slot 1)<br>64–79 Forward Animate (wheel slot 1)<br>80–255 Reverse Animate (wheel slot 1) |
| **35** | Prism | 127 | 0–3 Removed (wheel slot 2)<br>4–126 Slow (wheel slot 1)<br>127–254 180 (wheel slot 1)<br>255–255 359 (wheel slot 1) |
| **36** | Prism Fine | 255 | Fine byte of Prism |
| **37** | Frost1 | 0 | 0–254 Removed<br>255–255 Soft Edge |
| **38** | Frost2 | 0 | 0–254 Removed<br>255–255 Soft Edge |
| **39** | Focus | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| **40** | Focus Fine | 255 | Fine byte of Focus |
| **41** | Zoom | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| **42** | Zoom Fine | 255 | Fine byte of Zoom |
| **43** | Focus Mode | 0 | 0–3 Auto Focus Off<br>4–255 Auto Focus On |

### Standard (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **44** | Focus Mode Fine | 0 | Fine byte of Focus Mode |
| **45** | Iris | 255 | 0–254 Closed<br>255–255 Open |
| **46** | Strobe1Mode | 0 | 0–31 Normal<br>32–63 Random<br>64–255 Synchronous Random |
| **47** | Strobe1 | 255 | 0–23 Closed<br>24–228 Slow<br>229–254 Fast<br>255–255 Open |
| **48** | Dimmer | 0 | 0–126 Off<br>127–254 50%<br>255–255 Full |
| **49** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **50** | Global MSpeed | 0 | 0–0 Disabled<br>1–254 Longest<br>255–255 Shortest |
| **51** | Control1 | 0 | 0–31 Idle<br>32–47 Display Off (Hold 3s)<br>48–79 Display On (Hold 3s)<br>80–95 Home All (Hold 3s)<br>96–111 Shutdown (Hold 9s)<br>112–127 Disable Pan Tilt Motors (Hold 9s)<br>128–143 Dimming Mode - 2:4KHz (Hold 9s)<br>144–255 Dimming Mode - 16KHz (Hold 9s) |
| **52** | Fan | 0 | 0–15 Idle<br>16–206 Slow<br>207–207 Fast<br>208–223 Auto<br>224–255 Studio |

## Trifusion

52 channels

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **1** | Pan | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| **2** | Pan Fine | 255 | Fine byte of Pan |
| **3** | Tilt | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| **4** | Tilt Fine | 255 | Fine byte of Tilt |
| **5** | Color Mix Mode | 0 | 0–31 Pure Mix<br>32–47 Cycle<br>48–63 Random<br>64–79 Pure Mix Fast<br>80–95 Cycle Fast<br>96–127 Random Fast<br>128–159 Pure Mix<br>160–175 Cycle<br>176–191 Random<br>192–207 Pure Mix Fast<br>208–223 Cycle Fast<br>224–255 Random Fast |
| **6** | Cyan | 255 | |
| **7** | Magenta | 255 | |

## Trifusion (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **8** | Yellow | 255 | |
| **9** | C TO | 255 | 0–254 Full Saturation<br>255–255 Open |
| **10** | Color Wheel1Mode | 48 | 0–15 Indexed<br>16–31 Forward Spin<br>32–47 Reverse Spin<br>48–63 Continuous<br>64–79 Scan<br>80–255 Random |
| **11** | Color Wheel1 | 0 | 0–3 Open (wheel slot 1)<br>4–10 Slow<br>11–21 Open/Red<br>22–32 Red (wheel slot 2)<br>33–43 Red/Blue<br>44–54 Blue (wheel slot 3)<br>55–65 Blue/Green<br>66–76 Green (wheel slot 4)<br>77–87 Green/Yellow<br>88–98 Yellow (wheel slot 5)<br>99–109 Yellow/Purple<br>110–120 Purple (wheel slot 6)<br>121–131 Purple/TM-30<br>132–142 TM-30 (wheel slot 7)<br>143–153 TM-30/Lavender<br>154–164 Lavender (wheel slot 8)<br>165–175 Lavender/Half CTO<br>176–186 Half CTO (wheel slot 9)<br>187–197 Half CTO/Full CTO<br>198–208 Full CTO (wheel slot 10)<br>209–219 Full CTO/Dark Blue<br>220–230 Dark Blue (wheel slot 11)<br>231–241 Dark Blue/Open<br>242–254 Open (wheel slot 1)<br>255–255 Fast |
| **12** | Gobo Wheel1Mode | 0 | 0–15 Indexed<br>16–31 Forward Spin<br>32–47 Reverse Spin<br>48–63 Scan<br>64–255 Random |
| **13** | Gobo | 0 | 0–15 Open (wheel slot 1)<br>16–31 Shattered (wheel slot 2)<br>32–47 Misc Spots (wheel slot 3)<br>48–63 Light Organic (wheel slot 4)<br>64–79 Thatch (wheel slot 5)<br>80–95 Across (wheel slot 6)<br>96–111 Triangles (wheel slot 7)<br>112–127 Daisey (wheel slot 8)<br>128–143 Shower (wheel slot 9)<br>144–159 Fractated (wheel slot 10)<br>160–255 Needle (wheel slot 11) |
| **14** | Gobo1Mode | 0 | 0–15 Indexed<br>16–31 Forward Spin<br>32–47 Reverse Spin<br>48–63 Forward Animate<br>64–255 Reverse Animate |
| **15** | Gobo Rotation | 127 | 0–3 0<br>4–126 Slow<br>127–254 180<br>255–255 359 |
| **16** | Gobo Rotation Fine | 255 | Fine byte of Gobo Rotation |

## Trifusion (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **17** | Gobo2Wheel Mode | 0 | 0–15 Indexed<br>16–31 Forward Spin<br>32–47 Reverse Spin<br>48–63 Scan<br>64–255 Random |
| **18** | Gobo 2 | 0 | 0–15 Open (wheel slot 1)<br>16–31 Shattered (wheel slot 2)<br>32–47 Misc Spots (wheel slot 3)<br>48–63 Light Organic (wheel slot 4)<br>64–79 Thatch (wheel slot 5)<br>80–95 Across (wheel slot 6)<br>96–111 Triangles (wheel slot 7)<br>112–127 Daisey (wheel slot 8)<br>128–143 Shower (wheel slot 9)<br>144–159 Fractated (wheel slot 10)<br>160–255 Needle (wheel slot 11) |
| **19** | Blade1A | 0 | 0–254 Removed<br>255–255 Inserted |
| **20** | Blade1B | 0 | 0–254 Removed<br>255–255 Inserted |
| **21** | Blade2A | 0 | 0–254 Removed<br>255–255 Inserted |
| **22** | Blade2B | 0 | 0–254 Removed<br>255–255 Inserted |
| **23** | Blade3A | 0 | 0–254 Removed<br>255–255 Inserted |
| **24** | Blade3B | 0 | 0–254 Removed<br>255–255 Inserted |
| **25** | Blade4A | 0 | 0–254 Removed<br>255–255 Inserted |
| **26** | Blade4B | 0 | 0–254 Removed<br>255–255 Inserted |
| **27** | Shaper Rot | 127 | 0–126 -60<br>127–254 0<br>255–255 60 |
| **28** | Shaper Rot Fine | 255 | Fine byte of Shaper Rot |
| **29** | Animation Insertion | 0 | 0–254 Removed (wheel slot 2)<br>255–255 Inserted (wheel slot 1) |
| **30** | Animation Wheel1 | 0 | 0–0 Stop (wheel slot 1)<br>1–62 Slow (wheel slot 1)<br>63–63 Fast (wheel slot 1)<br>64–64 Stop (wheel slot 1)<br>65–126 Slow (wheel slot 1)<br>127–127 Fast (wheel slot 1)<br>128–128 Stop (wheel slot 1)<br>129–190 Slow (wheel slot 1)<br>191–191 Fast (wheel slot 1)<br>192–192 Stop (wheel slot 1)<br>193–254 Slow (wheel slot 1)<br>255–255 Fast (wheel slot 1) |
| **31** | Prism1Mode | 0 | 0–15 Removed (wheel slot 2)<br>16–31 Continuous (wheel slot 1)<br>32–47 Forward Spin (wheel slot 1)<br>48–63 Reverse Spin (wheel slot 1)<br>64–79 Forward Animate (wheel slot 1)<br>80–255 Reverse Animate (wheel slot 1) |

## Trifusion (continued)

| Ch | Function | Default | DMX values |
|---|---|---|---|
| **32** | Prism | 127 | 0–3 Removed (wheel slot 2)<br>4–126 Slow (wheel slot 1)<br>127–254 180 (wheel slot 1)<br>255–255 359 (wheel slot 1) |
| **33** | Prism Fine | 127 | Fine byte of Prism |
| **34** | Reserved 34 | 0 | |
| **35** | Reserved 35 | 0 | |
| **36** | Frost3 | 0 | 0–254 Removed<br>255–255 Soft Edge |
| **37** | Frost1 | 0 | 0–254 Removed<br>255–255 Soft Edge |
| **38** | Frost2 | 0 | 0–254 Removed<br>255–255 Soft Edge |
| **39** | Focus | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| **40** | Focus Fine | 255 | Fine byte of Focus |
| **41** | Zoom | 127 | 0–126 Min<br>127–254 Home<br>255–255 Max |
| **42** | Zoom Fine | 255 | Fine byte of Zoom |
| **43** | Focus Mode | 0 | 0–3 Auto Focus Off<br>4–255 Auto Focus On |
| **44** | Focus Mode Fine | 0 | Fine byte of Focus Mode |
| **45** | Iris | 255 | 0–254 Closed<br>255–255 Open |
| **46** | Strobe1Mode | 0 | 0–31 Normal<br>32–63 Random<br>64–255 Synchronous Random |
| **47** | Strobe1 | 255 | 0–23 Closed<br>24–228 Slow<br>229–254 Fast<br>255–255 Open |
| **48** | Dimmer | 0 | 0–126 Off<br>127–254 50%<br>255–255 Full |
| **49** | Dimmer Fine | 0 | Fine byte of Dimmer |
| **50** | Global MSpeed | 0 | 0–0 Disabled<br>1–254 Longest<br>255–255 Shortest |
| **51** | Control1 | 0 | 0–31 Idle<br>32–47 Display Off (Hold 3s)<br>48–79 Display On (Hold 3s)<br>80–95 Home All (Hold 3s)<br>96–111 Shutdown (Hold 9s)<br>112–127 Disable Pan Tilt Motors (Hold 9s)<br>128–143 Dimming Mode - 2:4KHz (Hold 9s)<br>144–255 Dimming Mode - 16KHz (Hold 9s) |
| **52** | Fan | 0 | 0–15 Idle<br>16–206 Slow<br>207–207 Fast<br>208–223 Auto<br>224–255 Studio |