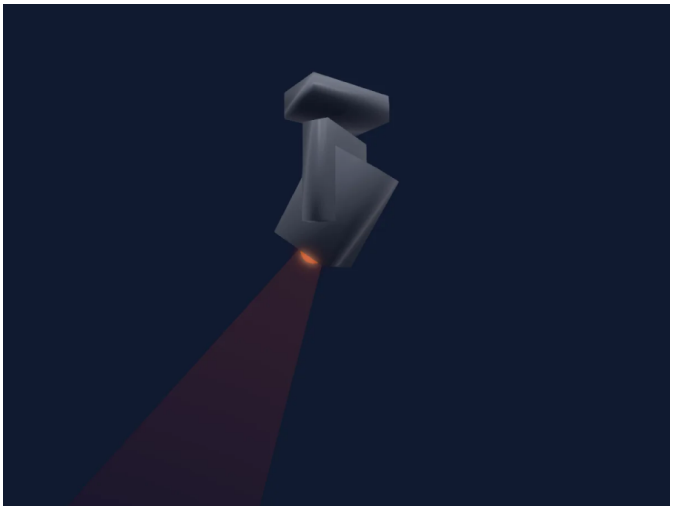
High End Systems

Lonestar



Manufacturer	**High End Systems**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**48 channels**
Beam angle	**3.8-55°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**250 × 409 × 262 mm**
GDTF fixture type	**A9EFFBB3-BDCE-4EAE-851F-8A…**

Controls

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

Safety-relevant functions

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

DMX modes

Standard	48 ch
Trifusion	48 ch

Standard

48 channels

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

Standard (continued)

Ch	Function	Default	DMX values
12	Gobo Wheel1Mode	0	0–15 Indexed 16–31 Forward Spin 32–47 Reverse Spin 48–63 Scan 64–255 Random
13	Gobo Wheel1	0	0–3 Open (wheel slot 1) 4–15 Slow 16–31 Bar (wheel slot 2) 32–47 Starvolver (wheel slot 3) 48–63 Fracked (wheel slot 4) 64–79 Broken Tunnel (wheel slot 5) 80–95 Seashell (wheel slot 6) 96–111 Glacial (wheel slot 7) 112–127 Shower (wheel slot 8) 128–143 Ice (wheel slot 9) 144–254 Branch Out (wheel slot 10) 255–255 Fast
14	Gobo1Mode	0	0–15 Indexed 16–31 Forward Spin 32–47 Reverse Spin 48–63 Forward Animate 64–255 Reverse Animate
15	Gobo	127	0–3 0 4–126 Slow 127–254 180 255–255 359
16	Gobo Fine	255	Fine byte of Gobo
17	Blade1A	0	0–254 Removed 255–255 Inserted
18	Blade1B	0	0–254 Removed 255–255 Inserted
19	Blade2A	0	0–254 Removed 255–255 Inserted
20	Blade2B	0	0–254 Removed 255–255 Inserted
21	Blade3A	0	0–254 Removed 255–255 Inserted
22	Blade3B	0	0–254 Removed 255–255 Inserted
23	Blade4A	0	0–254 Removed 255–255 Inserted
24	Blade4B	0	0–254 Removed 255–255 Inserted
25	Shaper Rot	127	0–126 -60 127–254 0 255–255 60
26	Shaper Rot Fine	255	Fine byte of Shaper Rot
27	Animation Insertion	0	0–254 Removed 255–255 Inserted

Standard (continued)

Ch	Function	Default	DMX values
28	Animation Wheel1	0	0–0 Stop 1–62 Slow 63–63 Fast 64–64 Stop 65–126 Slow 127–127 Fast 128–128 Stop 129–190 Slow 191–191 Fast 192–192 Stop 193–254 Slow 255–255 Fast
29	Prism1Mode	0	0–15 Removed 16–31 Continuous 32–47 Forward Spin 48–63 Reverse Spin 64–79 Forward Animate 80–255 Reverse Animate
30	Prism	127	0–3 Removed 4–126 Slow 127–254 180 255–255 359
31	Prism Fine	255	Fine byte of Prism
32	Prism2Mode	0	0–15 Removed 16–31 Continuous 32–47 Forward Spin 48–63 Reverse Spin 64–79 Forward Animate 80–255 Reverse Animate
33	Prism	127	0–3 Removed 4–126 Slow 127–254 180 255–255 359
34	Prism Fine	255	Fine byte of Prism
35	Frost1	0	0–254 Removed 255–255 Soft Edge
36	Frost2	0	0–254 Removed 255–255 Soft Edge
37	Focus	127	0–126 Min 127–254 Home 255–255 Max
38	Focus Fine	255	Fine byte of Focus
39	Zoom	127	0–126 Min 127–254 Home 255–255 Max
40	Zoom Fine	255	Fine byte of Zoom
41	Iris	255	0–254 Closed 255–255 Open
42	Strobe1Mode	0	0–31 Normal 32–63 Random 64–255 Synchronous Random
43	Strobe1	255	0–23 Closed 24–228 Slow 229–254 Fast 255–255 Open

Standard (continued)

Ch	Function	Default	DMX values
44	Dimmer	0	0–126 Off 127–254 50% 255–255 Full
45	Dimmer Fine	0	Fine byte of Dimmer
46	Global MSpeed	0	0–0 Disabled 1–254 Longest 255–255 Shortest
47	Control1	0	0–31 Idle 32–47 Display Off (Hold 3s) 48–79 Display On (Hold 3s) 80–95 Home All (Hold 3s) 96–111 Shutdown (Hold 9s) 112–127 Disable Pan Tilt Motors (Hold 9s) 128–143 Dimming Mode - 2:4KHz (Hold 9s) 144–255 Dimming Mode - 16KHz (Hold 9s)
48	Fan	0	0–15 Idle 16–206 Slow 207–207 Fast 208–223 Auto 224–255 Studio

Trifusion

48 channels

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

Trifusion (continued)

Ch	Function	Default	DMX values
10	Color Wheel1Mode	48	0–15 Indexed 16–31 Forward Spin 32–47 Reverse Spin 48–63 Continuous 64–79 Scan 80–255 Random
11	Color Wheel1	0	0–3 Open (wheel slot 1) 4–10 Slow 11–21 Open/Red 22–32 Red (wheel slot 2) 33–43 Red/Blue 44–54 Blue (wheel slot 3) 55–65 Blue/Green 66–76 Green (wheel slot 4) 77–87 Green/Yellow 88–98 Yellow (wheel slot 5) 99–109 Yellow/Purple 110–120 Purple (wheel slot 6) 121–131 Purple/TM-30 132–142 TM-30 (wheel slot 7) 143–153 TM-30/Lavender 154–164 Lavender (wheel slot 8) 165–175 Lavender/Half CTO 176–186 Half CTO (wheel slot 9) 187–197 Half CTO/Full CTO 198–208 Full CTO (wheel slot 10) 209–219 Full CTO/Dark Blue 220–230 Dark Blue (wheel slot 11) 231–241 Dark Blue/Open 242–254 Open (wheel slot 1) 255–255 Fast
12	Gobo Wheel1Mode	0	0–15 Indexed 16–31 Forward Spin 32–47 Reverse Spin 48–63 Scan 64–255 Random
13	Gobo Wheel1	0	0–3 Open (wheel slot 1) 4–15 Slow 16–31 Bar (wheel slot 2) 32–47 Starvolver (wheel slot 3) 48–63 Fracked (wheel slot 4) 64–79 Broken Tunnel (wheel slot 5) 80–95 Seashell (wheel slot 6) 96–111 Glacial (wheel slot 7) 112–127 Shower (wheel slot 8) 128–143 Ice (wheel slot 9) 144–254 Branch Out (wheel slot 10) 255–255 Fast
14	Gobo1Mode	0	0–15 Indexed 16–31 Forward Spin 32–47 Reverse Spin 48–63 Forward Animate 64–255 Reverse Animate
15	Gobo	127	0–3 0 4–126 Slow 127–254 180 255–255 359
16	Gobo Fine	255	Fine byte of Gobo
17	Blade1A	0	0–254 Removed 255–255 Inserted

Trifusion (continued)

Ch	Function	Default	DMX values
18	Blade1B	0	0–254 Removed 255–255 Inserted
19	Blade2A	0	0–254 Removed 255–255 Inserted
20	Blade2B	0	0–254 Removed 255–255 Inserted
21	Blade3A	0	0–254 Removed 255–255 Inserted
22	Blade3B	0	0–254 Removed 255–255 Inserted
23	Blade4A	0	0–254 Removed 255–255 Inserted
24	Blade4B	0	0–254 Removed 255–255 Inserted
25	Shaper Rot	127	0–126 -60 127–254 0 255–255 60
26	Shaper Rot Fine	255	Fine byte of Shaper Rot
27	Animation Insertion	0	0–254 Removed 255–255 Inserted
28	Animation Wheel1	0	0–0 Stop 1–62 Slow 63–63 Fast 64–64 Stop 65–126 Slow 127–127 Fast 128–128 Stop 129–190 Slow 191–191 Fast 192–192 Stop 193–254 Slow 255–255 Fast
29	Prism1Mode	0	0–15 Removed 16–31 Continuous 32–47 Forward Spin 48–63 Reverse Spin 64–79 Forward Animate 80–255 Reverse Animate
30	Prism	127	0–3 Removed 4–126 Slow 127–254 180 255–255 359
31	Prism Fine	255	Fine byte of Prism
32	Reserved	0	
33	Frost3	0	0–254 Removed 255–255 Soft Edge
34	Frost3 Fine	0	Fine byte of Frost3
35	Frost1	0	0–254 Removed 255–255 Soft Edge
36	Frost2	0	0–254 Removed 255–255 Soft Edge
37	Focus	127	0–126 Min 127–254 Home 255–255 Max
38	Focus Fine	255	Fine byte of Focus

Trifusion (continued)

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