High End Systems

Hyperstar



Manufacturer	**High End Systems**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**39 channels**
Beam angle	**3.8-55°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**250 × 464 × 262 mm**
GDTF fixture type	**5C10EC0E-804E-41A9-A373-3E…**

Controls

Fan · Frost · 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	39 ch
Trifusion	39 ch

Standard

39 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 Open 255–255 Full Saturation
7	Magenta	255	0–254 Open 255–255 Full Saturation
8	Yellow	255	0–254 Open 255–255 Full Saturation
9	C TO	255	0–254 Open 255–255 Full Saturation
10	Color Wheel1Mode	0	0–15 Indexed 16–31 Forward Spin 32–47 Reverse Spin 48–63 Continuous 64–79 Scan 80–127 Random 128–143 Indexed 144–159 Forward Spin 160–175 Reverse Spin 176–191 Continuous 192–207 Scan 208–255 Random

Standard (continued)

Ch	Function	Default	DMX values
11	Color Wheel	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 64–127 Random 128–143 Indexed 144–159 Forward Spin 160–175 Reverse Spin 176–191 Scan 192–255 Random
13	Gobo	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) 144–159 Branch Out (wheel slot 10) 160–254 Open (wheel slot 1) 255–255 Fast
14	Gobo1Mode	0	0–15 Continuous 16–31 Forward Spin 32–47 Reverse Spin 48–63 Forward Animate 64–255 Reverse Animate
15	Gobo Rotation	0	0–3 0 4–126 Slow 127–254 180 255–255 359
16	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard (continued)

Ch	Function	Default	DMX values
17	Gobo Wheel2Mode	0	0–15 Indexed 16–31 Forward Spin 32–47 Reverse Spin 48–63 Scan 64–127 Random 128–143 Indexed 144–159 Forward Spin 160–175 Reverse Spin 176–191 Scan 192–255 Random
18	Gobo 2	0	0–3 Open (wheel slot 1) 4–19 Slow 20–21 Shattered (wheel slot 2) 22–39 Shattered/MiscSpots 40–43 MiscSpots (wheel slot 3) 44–59 MiscSpots/Light Organic 60–65 Light Organic (wheel slot 4) 66–79 Light Organic/Thatch 80–87 Thatch (wheel slot 5) 88–99 Thatch/Across 100–109 Across (wheel slot 6) 110–119 Across/Triangles 120–131 Triangles (wheel slot 7) 132–139 Triangles/Daisey 140–153 Daisey (wheel slot 8) 154–159 Daisey/Small Aperture 160–175 Small Aperture (wheel slot 9) 176–179 Small Aperture/25% Aperture 180–197 25% Aperture (wheel slot 10) 198–199 25% Aperture/50% Aperture 200–219 50% Aperture (wheel slot 11) 220–239 75% Aperture (wheel slot 12) 240–241 Open (wheel slot 1) 242–254 75% Aperture/Open 255–255 Fast
19	Animation Wheel1Pos	0	0–254 Removed 255–255 Inserted
20	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
21	Prism1Mode	0	0–15 Removed 16–31 Continuous 32–47 Forward Spin 48–63 Reverse Spin 64–79 Forward Animate 80–255 Reverse Animate
22	Prism	127	0–3 0 4–126 Slow 127–254 180 255–255 359
23	Prism Fine	255	Fine byte of Prism

Standard (continued)

Ch	Function	Default	DMX values
24	Prism2Mode	0	0–15 Removed 16–31 Continuous 32–47 Forward Spin 48–63 Reverse Spin 64–79 Forward Animate 80–255 Reverse Animate
25	Prism	127	0–3 0 4–126 Slow 127–254 180 255–255 359
26	Prism Fine	255	Fine byte of Prism
27	Frost1	0	0–254 Removed 255–255 Soft Edge
28	Frost2	0	0–254 Removed 255–255 Soft Edge
29	Focus	127	0–126 Min 127–254 Home 255–255 Max
30	Focus Fine	255	Fine byte of Focus
31	Zoom	127	0–126 Min 127–254 Home 255–255 Max
32	Zoom Fine	255	Fine byte of Zoom
33	Strobe1Mode	0	0–31 Normal 32–63 Random 64–255 Synchronous Random
34	Strobe1	255	0–23 Closed 24–228 Slow 229–254 Fast 255–255 Open
35	Dimmer	0	0–126 Off 127–254 50% 255–255 Full
36	Dimmer Fine	0	Fine byte of Dimmer
37	Global MSpeed	0	0–3 Disabled 4–254 Longest 255–255 Shortest
38	Control1	0	0–15 Idle 16–31 Pan and Tilt mSpeed Off 32–47 Display Off (Hold 3) 48–79 Display On (Hold 3) 80–95 Home all (Hold 3) 96–111 Shutdown (Hold 9) 112–127 Disable Pan Tilt Motors (Hold 3) 128–143 Dimming Mode - 2:4KHz (Hold 3) 144–255 Dimming Mode - 16KHz (Hold 3)
39	Fan	0	0–15 Idle 16–206 Slow 207–207 Fast 208–223 Auto 224–255 Studio

Trifusion

39 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 Wheel	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

Trifusion (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	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 Rotation	127	0–3 0 4–126 Slow 127–254 180 255–255 359
16	Gobo Rotation Fine	255	Fine byte of Gobo Rotation
17	Gobo Wheel2Mode	0	0–15 Indexed 16–31 Forward Spin 32–47 Reverse Spin 48–63 Scan 64–127 Random 128–143 Indexed 144–159 Forward Spin 160–175 Reverse Spin 176–191 Scan 192–255 Random

Trifusion (continued)

Ch	Function	Default	DMX values
18	Gobo 2	0	0–3 Open (wheel slot 1) 4–19 Slow 20–21 Shattered (wheel slot 2) 22–39 Shattered/MiscSpots 40–43 MiscSpots (wheel slot 3) 44–59 MiscSpots/Light Organic 60–65 Light Organic (wheel slot 4) 66–79 Light Organic/Thatch 80–87 Thatch (wheel slot 5) 88–99 Thatch/Across 100–109 Across (wheel slot 6) 110–119 Across/Triangles 120–131 Triangles (wheel slot 7) 132–139 Triangles/Daisey 140–153 Daisey (wheel slot 8) 154–159 Daisey/Small Aperture 160–175 Small Aperture (wheel slot 9) 176–179 Small Aperture/25% Aperture 180–197 25% Aperture (wheel slot 10) 198–199 25% Aperture/50% Aperture 200–219 50% Aperture (wheel slot 11) 220–239 75% Aperture (wheel slot 12) 240–241 Open (wheel slot 1) 242–254 75% Aperture/Open 255–255 Fast
19	Animation Wheel1Pos	0	0–254 Removed 255–255 Inserted
20	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
21	Prism1Mode	0	0–15 Removed 16–31 Continuous 32–47 Forward Spin 48–63 Reverse Spin 64–79 Forward Animate 80–255 Reverse Animate
22	Prism	127	0–3 Removed 4–126 Slow 127–254 180 255–255 359
23	Prism Fine	255	Fine byte of Prism
24	Reserved	0	
25	Frost1	0	0–254 Removed 255–255 Soft Edge
26	Reserved 26	0	
27	Frost2	0	0–254 Removed 255–255 Soft Edge
28	Frost3	0	0–254 Removed 255–255 Soft Edge

Trifusion (continued)

Ch	Function	Default	DMX values
29	Focus	127	0–126 Min 127–254 Home 255–255 Max
30	Focus Fine	255	Fine byte of Focus
31	Zoom	127	0–126 Min 127–254 Home 255–255 Max
32	Zoom Fine	255	Fine byte of Zoom
33	Strobe1Mode	0	0–31 Normal 32–63 Random 64–255 Synchronous Random
34	Strobe1	255	0–23 Closed 24–228 Slow 229–254 Fast 255–255 Open
35	Dimmer	0	0–126 Off 127–254 50% 255–255 Full
36	Dimmer Fine	0	Fine byte of Dimmer
37	Global MSpeed	0	0–0 Disabled 1–254 Longest 255–255 Shortest
38	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)
39	Fan	0	0–15 Idle 16–206 Slow 207–207 Fast 208–223 Auto 224–255 Studio