DTS Lighting

Core



Manufacturer	**DTS Lighting**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**18, 24 channels**
Beam angle	**2-39°**
Pan range	**540°**
Tilt range	**290°**
Size (W × H × D)	**270 × 390 × 280 mm**
GDTF fixture type	**52F3463E-F3B8-4CB5-BF9F-4D…**

Controls

Focus · Frost · Prism · Zoom · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe · Built-in effect programmes

DMX modes

18 Channels	18 ch
24 Channels	24 ch

18 Channels

18 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–10 Standard 11–25 Fast Movement 26–127 Vector fast>slow 128–247 DMX react fast>slow 248–255 Silent
6	Dummy	0	
7	Dimmer	0	
8	Shutter / Strobe	0	0–19 Closed 20–39 Open 40–59 Closed 60–79 Random Strobe 80–84 Strobe speed 1 85–89 Strobe speed 2 90–94 Strobe speed 3 95–99 Strobe speed 4 100–104 Strobe speed 5 105–109 Strobe speed 6 110–114 Strobe speed 7 115–119 Strobe speed 8 120–124 Strobe speed 9 125–129 Strobe speed 10 130–134 Strobe speed 11 135–139 Strobe speed 12 140–149 PulseOpen speed 1 150–159 PulseOpen speed 2 160–169 PulseOpen speed 3 170–179 PulseOpen speed 4 180–189 PulseClose speed 1 190–199 PulseClose speed 2 200–209 PulseClose speed 3 210–219 PulseClose speed 4 220–227 Col/Gobo BO on Move 228–233 P/T BO on Move 234–255 Open

18 Channels (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–4 Open 5–9 Half Color 0-1 10–14 Red (wheel slot 1) 15–19 Half Color 1-2 20–24 Deep Blue (wheel slot 2) 25–29 Half Color 2-3 30–34 Amethyst (wheel slot 3) 35–39 Half Color 3-4 40–44 Yellow 1 (wheel slot 4) 45–49 Half Color 4-5 50–54 Green (wheel slot 5) 55–59 Half Color 5-6 60–64 Dark Blue (wheel slot 6) 65–69 Half Color 6-7 70–74 3000 K (wheel slot 7) 75–79 Half Color 7-8 80–84 5000 K (wheel slot 8) 85–89 Half Color 8-9 90–94 Magenta (wheel slot 9) 95–99 Half Color 9-10 100–104 Orange (wheel slot 10) 105–109 Half Color 10-11 110–114 Light Green (wheel slot 11) 115–119 Half Color 11-12 120–124 Amber (wheel slot 12) 125–129 Half Color 12-13 130–134 Full CTB (wheel slot 13) 135–139 Half Color 13-14 140–144 Purple (wheel slot 14) 145–149 Half Color 14-15 150–154 Lime (wheel slot 15) 155–159 Half Color 15-16 160–164 Pink (wheel slot 16) 165–197 Half Color 16-0 198–224 RX Rotation max>min 225–228 Stop 229–255 LX Rotation min>max
10	Gobo	0	0–20 Open 21–41 Rot Gobo 1 (wheel slot 1) 42–62 Rot Gobo 2 (wheel slot 2) 63–83 Rot Gobo 3 (wheel slot 3) 84–104 Rot Gobo 4 (wheel slot 4) 105–125 Rot Gobo 5 (wheel slot 5) 126–146 Rot Gobo 6 (wheel slot 6) 147–167 Rot Gobo 7 (wheel slot 7) 168–188 Rot Gobo 8 (wheel slot 8) 189–207 Rot Gobo 9 (wheel slot 9) 208–254 Min Rotation 255–255 Max Rotation
11	Gobo Rotation	181	0–127 Gobo/Prism Index 128–180 LX Rotation max>min 181–202 Stop 203–255 RX Rotation min>max

18 Channels (continued)

Ch	Function	Default	DMX values
12	Gobo 2	0	0–10 Open 11–21 Fix Gobo 1 22–32 Fix Gobo 2 33–43 Fix Gobo 3 44–54 Fix Gobo 4 55–65 Fix Gobo 5 66–76 Fix Gobo 6 77–87 Fix Gobo 7 88–98 Fix Gobo 8 99–109 Fix Gobo 9 110–120 Fix Gobo 10 121–131 Fix Gobo 11 132–142 Fix Gobo 12 143–153 Fix Gobo 13 154–164 Fix Gobo 14 165–175 Fix Gobo 15 176–186 Fix Gobo 16 187–197 Fix Gobo 17 198–255 Animation Sector
13	Effect	0	0–10 Open 11–50 FX Glass 1 51–90 FX Glass 2 91–100 FX Glass 3 (Smooth) 101–255 FX 4 - Frosted
14	Frost1	0	0–50 Open 51–150 Frost mode 1 151–255 Frost mode 2
15	Prism	0	0–50 Open 51–150 Prism mode 1 (wheel slot 1) 151–255 Prism mode 2 (wheel slot 1)
16	Focus	0	
17	Zoom	0	
18	Control1	0	0–9 No Function 10–129 Lamp OFF (3s) 130–179 Lamp ON (3s) 180–185 Autofocus OFF 186–190 Autofocus ON 201–239 Head Motors Reset 240–255 Head+P/T Reset

24 Channels

24 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–10 Standard 11–25 Fast Movement 26–127 Vector fast>slow 128–247 DMX react fast>slow 248–255 Silent
6	Dummy	0	
7	Dimmer	0	

24 Channels (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–19 Closed 20–39 Open 40–59 Closed 60–79 Random Strobe 80–84 Strobe speed 1 85–89 Strobe speed 2 90–94 Strobe speed 3 95–99 Strobe speed 4 100–104 Strobe speed 5 105–109 Strobe speed 6 110–114 Strobe speed 7 115–119 Strobe speed 8 120–124 Strobe speed 9 125–129 Strobe speed 10 130–134 Strobe speed 11 135–139 Strobe speed 12 140–149 PulseOpen speed 1 150–159 PulseOpen speed 2 160–169 PulseOpen speed 3 170–179 PulseOpen speed 4 180–189 PulseClose speed 1 190–199 PulseClose speed 2 200–209 PulseClose speed 3 210–219 PulseClose speed 4 220–227 Col/Gobo BO on Move 228–233 P/T BO on Move 234–255 Open

24 Channels (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–9 Open 10–10 RX Rot max>min 11–13 Proportional Color 14–14 Color 0-1 15–27 Red (wheel slot 1) 28–29 Color 1-2 30–41 Deep Blue (wheel slot 2) 42–44 Color 2-3 45–55 Amethyst (wheel slot 3) 56–59 Color 3-4 60–69 Yellow 1 (wheel slot 4) 70–74 Color 4-5 75–83 Green (wheel slot 5) 84–89 Color 5-6 90–97 Dark Blue (wheel slot 6) 98–104 Color 6-7 105–111 3000 K (wheel slot 7) 112–119 Color 7-8 120–125 5000 K (wheel slot 8) 126–127 Color 8-9 128–134 Stop 135–137 Magenta (wheel slot 9) 138–139 LX Rot min>max 140–149 Color 9-10 150–153 Orange (wheel slot 10) 154–164 Color 10-11 165–167 Light Green (wheel slot 11) 168–179 Color 11-12 180–181 Amber (wheel slot 12) 182–194 Color 12-13 195–195 Full CTB (wheel slot 13) 196–209 Color 13-14 210–223 Purple (wheel slot 14) 224–224 Color 15-16 225–237 Lime (wheel slot 15) 238–239 Color 16-0 240–255 Pink (wheel slot 16)
10	Color1Mode	0	0–63 Full Color 64–127 Half Color 128–191 Proportional Color 192–255 Rainbow
11	Gobo	0	0–20 Open 21–41 Rot Gobo 1 (wheel slot 1) 42–62 Rot Gobo 2 (wheel slot 2) 63–83 Rot Gobo 3 (wheel slot 3) 84–104 Rot Gobo 4 (wheel slot 4) 105–125 Rot Gobo 5 (wheel slot 5) 126–146 Rot Gobo 6 (wheel slot 6) 147–167 Rot Gobo 7 (wheel slot 7) 168–188 Rot Gobo 8 (wheel slot 8) 189–207 Rot Gobo 9 (wheel slot 9) 208–254 Min Rotation 255–255 Max Rotation
12	Gobo1Wheel Mode	0	0–127 Rotation Mode 128–255 Indexing Mode
13	Gobo Rotation	0	0–9 Stop 10–126 Max LX Rotation 127–127 Min LX Rotation 128–137 Stop 138–254 Min RX Rotation 255–255 Max RX Rotation

24 Channels (continued)

Ch	Function	Default	DMX values
14	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
15	Gobo1Select Shake	0	0–9 Stop 10–125 Min R-L speed 126–126 Max R-L speed 127–138 Stop 139–254 Min L-R speed 255–255 Max L-R speed
16	Gobo 2	0	0–10 Open 11–21 Fix Gobo 1 22–32 Fix Gobo 2 33–43 Fix Gobo 3 44–54 Fix Gobo 4 55–65 Fix Gobo 5 66–76 Fix Gobo 6 77–87 Fix Gobo 7 88–98 Fix Gobo 8 99–109 Fix Gobo 9 110–120 Fix Gobo 10 121–131 Fix Gobo 11 132–142 Fix Gobo 12 143–153 Fix Gobo 13 154–164 Fix Gobo 14 165–175 Fix Gobo 15 176–186 Fix Gobo 16 187–197 Fix Gobo 17 198–255 Animation Sector
17	Gobo2Select Shake	0	0–9 Stop 10–125 Min R-L speed 126–126 Max R-L speed 127–138 Stop 139–254 Min L-R speed 255–255 Max L-R speed
18	Effect	0	0–10 Open 11–50 FX Glass 1 51–90 FX Glass 2 91–100 FX Glass 3 (Smooth) 101–255 FX 4 - Frosted
19	Frost1	0	0–50 Open 51–150 Frost mode 1 151–255 Frost mode 2
20	Prism	0	0–50 Open 51–150 Prism mode 1 (wheel slot 1) 151–255 Prism mode 2 (wheel slot 1)
21	Focus	0	
22	Focus Fine	0	Fine byte of Focus
23	Zoom	0	
24	Control1	0	0–9 No Function 10–129 Lamp OFF (3s) 130–179 Lamp ON (3s) 180–185 Autofocus OFF 186–190 Autofocus ON 201–239 Head Motors Reset 240–255 Head+P/T Reset