Terbly

ZL5000PH



Manufacturer	**Terbly**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**40, 62 channels**
Beam angle	**5.6-45.8°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**340 × 609 × 296 mm**
GDTF fixture type	**81B3745E-84E4-4988-98B7-CE0…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Standard	40 ch
Extended	62 ch

Standard

40 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	Position MSpeed	0	0–224 max 225–225 min 226–235 BO by Movement 236–255 BO by all Wheel
6	Shutter / Strobe	63	0–62 Closed 63–63 Open 64–94 min Strobe 95–95 max Strobe 96–127 Open 2 128–158 min Pulse 159–159 max Pulse 160–191 Open 3 192–222 Random · min Rnd 0–24.2 Hz 223–223 Random · max Rnd 25 Hz 224–255 Open 4
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architecural 81–100 Theatre 101–255 Default to Unit Setting
9	Zoom	127	0–126 narrow 127–254 normal 255–255 wide
10	Focus	127	
11	Focus1Distance	0	0–50 Safe 51–100 5m 101–150 7m 151–200 10m 201–255 15m
12	Focus1Adjust	128	
13	Color Wheel	0	0–19 Open (wheel slot 1) 20–37 Red (wheel slot 2) 38–55 Green (wheel slot 3) 56–73 Blue (wheel slot 4) 74–91 Orange (wheel slot 5) 92–109 Purple (wheel slot 6) 110–127 Magenta (wheel slot 7) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 < 255–255 <<<
14	Cyan	0	
15	Magenta	0	
16	Yellow	0	
17	C TO	0	

Standard (continued)

Ch	Function	Default	DMX values
18	Color Macro1	0	0–31 Safe 32–39 Macro 1 40–47 Macro 2 48–55 Macro 3 56–63 Macro 4 64–71 Macro 5 72–79 Macro 6 80–87 Macro 7 88–95 Macro 8 96–103 Macro 9 104–111 Macro 10 112–119 Macro 11 120–127 Macro 12 128–135 Macro 13 136–143 Macro 14 144–151 Macro 15 152–159 Macro 16 160–167 Macro 17 168–175 Macro 18 176–183 Macro 19 184–191 Macro 20 192–199 Macro 21 200–207 Macro 22 208–215 Macro 23 216–223 Macro 24 224–231 Macro 25 232–239 Macro 26 240–247 Macro 27 248–255 Random CMY
19	Color Mix MSpeed	0	
20	Gobo	0	0–9 Open (wheel slot 1) 10–19 RG1 (wheel slot 2) 20–29 RG2 (wheel slot 3) 30–39 RG3 (wheel slot 4) 40–49 RG4 (wheel slot 5) 50–59 RG5 (wheel slot 6) 60–69 RG6 (wheel slot 7) 70–89 RG1 Shake (wheel slot 2) 90–109 RG2 Shake (wheel slot 3) 110–129 RG3 Shake (wheel slot 4) 130–149 RG4 Shake (wheel slot 5) 150–169 RG5 Shake (wheel slot 6) 170–189 RG6 Shake (wheel slot 7) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
21	Gobo Rotation	0	0–126 zero 127–127 max Index 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<

Standard (continued)

Ch	Function	Default	DMX values
22	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 FG1 (wheel slot 2) 20–29 FG2 (wheel slot 3) 30–39 FG3 (wheel slot 4) 40–49 FG4 (wheel slot 5) 50–59 FG5 (wheel slot 6) 60–69 FG6 (wheel slot 7) 70–77 FG7 (wheel slot 8) 78–93 FG1 Shake (wheel slot 2) 94–109 FG2 Shake (wheel slot 3) 110–125 FG3 Shake (wheel slot 4) 126–141 FG4 Shake (wheel slot 5) 142–157 FG5 Shake (wheel slot 6) 158–173 FG6 Shake (wheel slot 7) 174–189 FG7 Shake (wheel slot 8) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
23	Animation Wheel1	0	0–7 Open (wheel slot 1) 8–8 >>> (wheel slot 2) 9–126 >> (wheel slot 2) 127–127 > (wheel slot 2) 128–135 Stop (wheel slot 2) 136–136 < (wheel slot 2) 137–254 << (wheel slot 2) 255–255 <<< (wheel slot 2)
24	Iris	0	0–190 Open 191–191 Closed 192–222 Pulse closing fast 223–223 Pulse closing slow 224–254 Pulse opening slow 255–255 Pulse opening fast
25	Prism	0	0–31 Open (wheel slot 1) 32–63 4 Prism (wheel slot 2) 64–95 4 Linear Prism (wheel slot 3) 96–127 4+4Linear Prism 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16

Standard (continued)

Ch	Function	Default	DMX values
26	Prism Rotation	0	0–126 zero 127–127 max Index 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
27	Prism Rotation	0	0–126 zero 127–127 max Index 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
28	Frost1	0	0–63 Open (wheel slot 1) 64–127 Light Frost (wheel slot 2) 128–191 Heavy Frost (wheel slot 3) 192–255 Light+Heavy Frost
29	Blade1B	0	0–254 Open 255–255 Closed
30	Blade1A	0	0–254 Open 255–255 Closed
31	Blade3B	0	0–254 Open 255–255 Closed
32	Blade3A	0	0–254 Open 255–255 Closed
33	Blade2B	0	0–254 Open 255–255 Closed
34	Blade2A	0	0–254 Open 255–255 Closed
35	Blade4B	0	0–254 Open 255–255 Closed
36	Blade4A	0	0–254 Open 255–255 Closed
37	Shaper Rot	128	0–127 90 Deg 128–254 0 255–255 -90 Deg
38	Frame MSpeed	0	

Standard (continued)

Ch	Function	Default	DMX values
39	Shaper Macros	0	0–7 Safe 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–247 Macro 30 248–255 Macro 31
40	Control1	0	0–19 Normal 20–29 Col any pos 30–39 Col/Gobo any pos 40–42 Display Off 43–45 Display ON 46–48 Fan Auto 49–51 Fan High 52–54 Fan Silent 55–57 Fan Studio 58–60 Fan Mute 61–63 Gamma=2'0 64–66 Gamma=2'2 67–69 Gamma=2'4 70–72 Gamma=2'6 73–75 Gamma=2'8 80–84 Reset All 85–87 Reset P/T 88–90 Reset Colors 91–93 Reset Gobos 94–96 Reset Zoom 97–99 Reset Others 100–119 Internal pro 1 120–139 Internal pro 2 140–159 Internal pro 3 160–179 Internal pro 4 180–199 Internal pro 5 200–219 Internal pro 6 220–255 Internal pro 7

Extended

62 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	Position MSpeed	0	0–224 max 225–225 min 226–235 BO by Movement 236–255 BO by all Wheel
6	Shutter / Strobe	63	0–62 Closed 63–63 Open 64–94 min Strobe 95–95 max Strobe 96–127 Open 2 128–158 min Pulse 159–159 max Pulse 160–191 Open 3 192–222 Random · min Rnd 0–24.2 Hz 223–223 Random · max Rnd 25 Hz 224–255 Open 4
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architecural 81–100 Theatre 101–255 Default to Unit Setting
10	Zoom	127	0–126 narrow 127–254 normal 255–255 wide
11	Zoom Fine	127	Fine byte of Zoom
12	Focus	127	
13	Focus Fine	127	Fine byte of Focus
14	Focus1Distance	0	0–50 Safe 51–100 5m 101–150 7m 151–200 10m 201–255 15m
15	Focus1Adjust	128	
16	Color Wheel	0	0–19 Open (wheel slot 1) 20–37 Red (wheel slot 2) 38–55 Green (wheel slot 3) 56–73 Blue (wheel slot 4) 74–91 Orange (wheel slot 5) 92–109 Purple (wheel slot 6) 110–127 Magenta (wheel slot 7) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 < 255–255 <<<
17	Color Wheel Fine	0	Fine byte of Color Wheel
18	Cyan	0	

Extended (continued)

Ch	Function	Default	DMX values
19	Cyan Fine	0	Fine byte of Cyan
20	Magenta	0	
21	Magenta Fine	0	Fine byte of Magenta
22	Yellow	0	
23	Yellow Fine	0	Fine byte of Yellow
24	C TO	0	
25	C TO Fine	0	Fine byte of C TO
26	Color Macro1	0	0–31 Safe 32–39 Macro 1 40–47 Macro 2 48–55 Macro 3 56–63 Macro 4 64–71 Macro 5 72–79 Macro 6 80–87 Macro 7 88–95 Macro 8 96–103 Macro 9 104–111 Macro 10 112–119 Macro 11 120–127 Macro 12 128–135 Macro 13 136–143 Macro 14 144–151 Macro 15 152–159 Macro 16 160–167 Macro 17 168–175 Macro 18 176–183 Macro 19 184–191 Macro 20 192–199 Macro 21 200–207 Macro 22 208–215 Macro 23 216–223 Macro 24 224–231 Macro 25 232–239 Macro 26 240–247 Macro 27 248–255 Random CMY
27	Color Mix MSpeed	0	
28	Gobo	0	0–9 Open (wheel slot 1) 10–19 RG1 (wheel slot 2) 20–29 RG2 (wheel slot 3) 30–39 RG3 (wheel slot 4) 40–49 RG4 (wheel slot 5) 50–59 RG5 (wheel slot 6) 60–69 RG6 (wheel slot 7) 70–89 RG1 Shake (wheel slot 2) 90–109 RG2 Shake (wheel slot 3) 110–129 RG3 Shake (wheel slot 4) 130–149 RG4 Shake (wheel slot 5) 150–169 RG5 Shake (wheel slot 6) 170–189 RG6 Shake (wheel slot 7) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<

Extended (continued)

Ch	Function	Default	DMX values
29	Gobo Rotation	0	0–126 zero 127–127 max Index 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
30	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
31	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 FG1 (wheel slot 2) 20–29 FG2 (wheel slot 3) 30–39 FG3 (wheel slot 4) 40–49 FG4 (wheel slot 5) 50–59 FG5 (wheel slot 6) 60–69 FG6 (wheel slot 7) 70–77 FG7 (wheel slot 8) 78–93 FG1 Shake (wheel slot 2) 94–109 FG2 Shake (wheel slot 3) 110–125 FG3 Shake (wheel slot 4) 126–141 FG4 Shake (wheel slot 5) 142–157 FG5 Shake (wheel slot 6) 158–173 FG6 Shake (wheel slot 7) 174–189 FG7 Shake (wheel slot 8) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
32	Gobo 2 Fine	0	Fine byte of Gobo 2
33	Animation Wheel1	0	0–7 Open (wheel slot 1) 8–8 >>> (wheel slot 2) 9–126 >> (wheel slot 2) 127–127 > (wheel slot 2) 128–135 Stop (wheel slot 2) 136–136 < (wheel slot 2) 137–254 << (wheel slot 2) 255–255 <<< (wheel slot 2)
34	Iris	0	0–190 Open 191–191 Closed 192–222 Pulse closing fast 223–223 Pulse closing slow 224–254 Pulse opening slow 255–255 Pulse opening fast
35	Iris Fine	0	Fine byte of Iris

Extended (continued)

Ch	Function	Default	DMX values
36	Prism	0	0–31 Open (wheel slot 1) 32–63 4 Prism (wheel slot 2) 64–95 4 Linear Prism (wheel slot 3) 96–127 4+4Linear Prism 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16
37	Prism Rotation	0	0–126 zero 127–127 max Index 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
38	Prism Rotation Fine	0	Fine byte of Prism Rotation
39	Prism Rotation	0	0–126 zero 127–127 max Index 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
40	Prism Rotation Fine	0	Fine byte of Prism Rotation
41	Frost1	0	0–63 Open (wheel slot 1) 64–127 Light Frost (wheel slot 2) 128–191 Heavy Frost (wheel slot 3) 192–255 Light+Heavy Frost
42	Blade1B	0	0–254 Open 255–255 Closed
43	Blade1B Fine	0	Fine byte of Blade1B
44	Blade1A	0	0–254 Open 255–255 Closed
45	Blade1A Fine	0	Fine byte of Blade1A
46	Blade3B	0	0–254 Open 255–255 Closed
47	Blade3B Fine	0	Fine byte of Blade3B
48	Blade3A	0	0–254 Open 255–255 Closed
49	Blade3A Fine	0	Fine byte of Blade3A

Extended (continued)

Ch	Function	Default	DMX values
50	Blade2B	0	0–254 Open 255–255 Closed
51	Blade2B Fine	0	Fine byte of Blade2B
52	Blade2A	0	0–254 Open 255–255 Closed
53	Blade2A Fine	0	Fine byte of Blade2A
54	Blade4B	0	0–254 Open 255–255 Closed
55	Blade4B Fine	0	Fine byte of Blade4B
56	Blade4A	0	0–254 Open 255–255 Closed
57	Blade4A Fine	0	Fine byte of Blade4A
58	Shaper Rot	128	0–127 90 Deg 128–254 0 255–255 -90 Deg
59	Shaper Rot Fine	128	Fine byte of Shaper Rot
60	Frame MSpeed	0	
61	Shaper Macros	0	0–7 Safe 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–247 Macro 30 248–255 Macro 31

Extended (continued)

Ch	Function	Default	DMX values
62	Control1	0	0–19 Normal 20–29 Col any pos 30–39 Col/Gobo any pos 40–42 Display Off 43–45 Display ON 46–48 Fan Auto 49–51 Fan High 52–54 Fan Silent 55–57 Fan Studio 58–60 Fan Mute 61–63 Gamma=2'0 64–66 Gamma=2'2 67–69 Gamma=2'4 70–72 Gamma=2'6 73–75 Gamma=2'8 80–84 Reset All 85–87 Reset P/T 88–90 Reset Colors 91–93 Reset Gobos 94–96 Reset Zoom 97–99 Reset Others 100–119 Internal pro 1 120–139 Internal pro 2 140–159 Internal pro 3 160–179 Internal pro 4 180–199 Internal pro 5 200–219 Internal pro 6 220–255 Internal pro 7