Terbly

GL6 II



Manufacturer	**Terbly**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**37, 40, 59 channels**
Beam angle	**7-50°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**350 × 605 × 247 mm**
GDTF fixture type	**3BC603EA-ACE2-4677-BBC5-32…**

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

DMX modes

Basic	37 ch
Standard	40 ch
Extended	59 ch

Basic

37 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–224 max 225–225 min 226–235 BO by Movement 236–255 BO by all Wheel
4	Shutter / Strobe	63	0–31 Closed 32–63 Open 64–94 min Strobe 95–95 max Strobe 96–127 Open 128–158 min Pulse 159–159 max Pulse 160–191 Open 192–222 Random · min Rnd 1–24.2 Hz 223–223 Random · maxRnd 25 Hz 224–255 Open
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
7	Zoom	127	0–126 narrow 127–254 normal 255–255 wide
8	Focus	127	
9	Focus1Distance	0	0–100 Safe 101–150 7m 151–200 10m 201–255 15m
10	Focus1Adjust	128	
11	Color Wheel	0	0–17 Open (wheel slot 1) 18–35 Red (wheel slot 2) 36–53 Blue (wheel slot 3) 54–71 Green (wheel slot 4) 72–89 Orange (wheel slot 5) 90–107 Pink (wheel slot 6) 108–127 Light Blue (wheel slot 7) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
12	Cyan	0	
13	Magenta	0	
14	Yellow	0	
15	C TO	0	0–254 6500K 255–255 2700K

Basic (continued)

Ch	Function	Default	DMX values
16	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
17	Color Mix MSpeed	0	
18	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 <<<
19	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 <<<

Basic (continued)

Ch	Function	Default	DMX values
20	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) 70–79 FG7 (wheel slot 8) 80–94 FG1 S (wheel slot 2) 95–109 FG2 S (wheel slot 3) 110–125 FG3 S (wheel slot 4) 126–141 FG4 S (wheel slot 5) 142–157 FG5 S (wheel slot 6) 158–173 FG6 S (wheel slot 7) 174–189 FG7 S (wheel slot 8) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
21	Animation Wheel1	0	0–50 Open (wheel slot 1) 51–51 >< 52–254 >><< 255–255 >>><<<
22	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
23	Prism	0	0–63 Open (wheel slot 1) 64–127 5 Facet Prism (wheel slot 2) 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
24	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 <<<
25	Frost1	0	0–127 Open (wheel slot 1) 128–255 Frost1 (wheel slot 2)

Basic (continued)

Ch	Function	Default	DMX values
26	Frost2	0	0–127 Open (wheel slot 1) 128–255 Frost2 (wheel slot 2)
27	Blade1A	0	0–254 Open 255–255 Closed
28	Blade1B	0	0–254 Open 255–255 Closed
29	Blade3A	0	0–254 Open 255–255 Closed
30	Blade3B	0	0–254 Open 255–255 Closed
31	Blade4A	0	0–254 Open 255–255 Closed
32	Blade4B	0	0–254 Open 255–255 Closed
33	Blade2A	0	0–254 Open 255–255 Closed
34	Blade2B	0	0–254 Open 255–255 Closed
35	Shaper Rot	128	0–127 45 Deg 128–254 0 255–255 -45 Deg
36	Frame MSpeed	0	
37	Control1	0	0–19 Normal 20–29 Col any pos 30–79 Col/Gobo any pos 80–84 Reset All 85–87 Reset P/T 88–90 Reset Colors 91–93 Reset Gobos 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 6 220–239 Internal pro 7 240–255 Music Control

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

Standard (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	63	0–31 Closed 32–63 Open 64–94 min Strobe 95–95 max Strobe 96–127 Open 128–158 min Pulse 159–159 max Pulse 160–191 Open 192–222 Random · min Rnd 1–24.2 Hz 223–223 Random · maxRnd 25 Hz 224–255 Open
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default to Unit Setting
10	Zoom	127	0–126 narrow 127–254 normal 255–255 wide
11	Focus	127	
12	Focus1Distance	0	0–100 Safe 101–150 7m 151–200 10m 201–255 15m
13	Focus1Adjust	128	
14	Color Wheel	0	0–17 Open (wheel slot 1) 18–35 Red (wheel slot 2) 36–53 Blue (wheel slot 3) 54–71 Green (wheel slot 4) 72–89 Orange (wheel slot 5) 90–107 Pink (wheel slot 6) 108–127 Light Blue (wheel slot 7) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
15	Cyan	0	
16	Magenta	0	
17	Yellow	0	
18	C TO	0	0–254 6500K 255–255 2700K

Standard (continued)

Ch	Function	Default	DMX values
19	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
20	Color Mix MSpeed	0	
21	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 <<<
22	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
23	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) 70–79 FG7 (wheel slot 8) 80–94 FG1 S (wheel slot 2) 95–109 FG2 S (wheel slot 3) 110–125 FG3 S (wheel slot 4) 126–141 FG4 S (wheel slot 5) 142–157 FG5 S (wheel slot 6) 158–173 FG6 S (wheel slot 7) 174–189 FG7 S (wheel slot 8) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
24	Animation Wheel1	0	0–50 Open (wheel slot 1) 51–51 >< 52–254 >><< 255–255 >>><<<
25	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
26	Prism	0	0–63 Open (wheel slot 1) 64–127 5 Facet Prism (wheel slot 2) 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
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	0–127 Open (wheel slot 1) 128–255 Frost1 (wheel slot 2)

Standard (continued)

Ch	Function	Default	DMX values
29	Frost2	0	0–127 Open (wheel slot 1) 128–255 Frost2 (wheel slot 2)
30	Blade1A	0	0–254 Open 255–255 Closed
31	Blade1B	0	0–254 Open 255–255 Closed
32	Blade3A	0	0–254 Open 255–255 Closed
33	Blade3B	0	0–254 Open 255–255 Closed
34	Blade4A	0	0–254 Open 255–255 Closed
35	Blade4B	0	0–254 Open 255–255 Closed
36	Blade2A	0	0–254 Open 255–255 Closed
37	Blade2B	0	0–254 Open 255–255 Closed
38	Shaper Rot	128	0–127 45 Deg 128–254 0 255–255 -45 Deg
39	Frame MSpeed	0	
40	Control1	0	0–19 Normal 20–29 Col any pos 30–79 Col/Gobo any pos 80–84 Reset All 85–87 Reset P/T 88–90 Reset Colors 91–93 Reset Gobos 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 6 220–239 Internal pro 7 240–255 Music Control

Extended

59 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

Extended (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	63	0–31 Closed 32–63 Open 64–94 min Strobe 95–95 max Strobe 96–127 Open 128–158 min Pulse 159–159 max Pulse 160–191 Open 192–222 Random · min Rnd 1–24.2 Hz 223–223 Random · maxRnd 25 Hz 224–255 Open
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 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	0–100 Safe 101–150 7m 151–200 10m 201–255 15m
15	Focus1Adjust	128	
16	Color Wheel	0	0–17 Open (wheel slot 1) 18–35 Red (wheel slot 2) 36–53 Blue (wheel slot 3) 54–71 Green (wheel slot 4) 72–89 Orange (wheel slot 5) 90–107 Pink (wheel slot 6) 108–127 Light Blue (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	
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	0–254 6500K 255–255 2700K
25	C TO Fine	0	Fine byte of C TO

Extended (continued)

Ch	Function	Default	DMX values
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 <<<
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

Extended (continued)

Ch	Function	Default	DMX values
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) 70–79 FG7 (wheel slot 8) 80–94 FG1 S (wheel slot 2) 95–109 FG2 S (wheel slot 3) 110–125 FG3 S (wheel slot 4) 126–141 FG4 S (wheel slot 5) 142–157 FG5 S (wheel slot 6) 158–173 FG6 S (wheel slot 7) 174–189 FG7 S (wheel slot 8) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
32	Animation Wheel1	0	0–50 Open (wheel slot 1) 51–51 >< 52–254 >><< 255–255 >>><<<
33	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
34	Iris Fine	0	Fine byte of Iris
35	Prism	0	0–63 Open (wheel slot 1) 64–127 5 Facet Prism (wheel slot 2) 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
36	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 <<<
37	Prism Rotation Fine	0	Fine byte of Prism Rotation

Extended (continued)

Ch	Function	Default	DMX values
38	Frost1	0	0–127 Open (wheel slot 1) 128–255 Frost1 (wheel slot 2)
39	Frost2	0	0–127 Open (wheel slot 1) 128–255 Frost2 (wheel slot 2)
40	Blade1A	0	0–254 Open 255–255 Closed
41	Blade1A Fine	0	Fine byte of Blade1A
42	Blade1B	0	0–254 Open 255–255 Closed
43	Blade1B Fine	0	Fine byte of Blade1B
44	Blade3A	0	0–254 Open 255–255 Closed
45	Blade3A Fine	0	Fine byte of Blade3A
46	Blade3B	0	0–254 Open 255–255 Closed
47	Blade3B Fine	0	Fine byte of Blade3B
48	Blade4A	0	0–254 Open 255–255 Closed
49	Blade4A Fine	0	Fine byte of Blade4A
50	Blade4B	0	0–254 Open 255–255 Closed
51	Blade4B Fine	0	Fine byte of Blade4B
52	Blade2A	0	0–254 Open 255–255 Closed
53	Blade2A Fine	0	Fine byte of Blade2A
54	Blade2B	0	0–254 Open 255–255 Closed
55	Blade2B Fine	0	Fine byte of Blade2B
56	Shaper Rot	128	0–127 45 Deg 128–254 0 255–255 -45 Deg
57	Shaper Rot Fine	128	Fine byte of Shaper Rot
58	Frame MSpeed	0	
59	Control1	0	0–19 Normal 20–29 Col any pos 30–79 Col/Gobo any pos 80–84 Reset All 85–87 Reset P/T 88–90 Reset Colors 91–93 Reset Gobos 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 6 220–239 Internal pro 7 240–255 Music Control