Terbly

GLZ500 IP



Manufacturer	**Terbly**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**27, 38 channels**
Beam angle	**0.6-8.5°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**408 × 611 × 362 mm**
GDTF fixture type	**3074681C-DB29-4AB6-909F-AA…**

Controls

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

DMX modes

Standard	27 ch
Extended	38 ch

Standard

27 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–255 Blackout By All Wheel Movement
6	Pan Rotate	0	0–2 Disable 3–64 CW Fast 65–125 CW Med 126–126 CW Slow 127–129 Rot Stop 130–191 CCW Slow 192–252 CCW Med 253–254 CCW Fast 255–255 Rot Stop
7	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 1–24.2 Hz 223–223 Random · max Rnd 25 Hz 224–255 Open 4
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectual 81–100 Theater 101–120 Stage 2 121–121 0s 122–122 0_1s 123–123 0_2s 124–124 0_3s 125–125 0_4s 126–126 0_5s 127–127 0_6s 128–128 0_7s 129–129 0_8s 130–130 0_9s 131–131 1s 132–132 1_5s 133–133 2s 134–134 3s 135–135 4s 136–136 5s 137–137 6s 138–138 7s 139–139 8s 140–140 9s 141–254 10s 255–255 Idle

Standard (continued)

Ch	Function	Default	DMX values
10	Zoom	128	0–126 Narrow 127–254 Normal 255–255 Wide
11	Focus	0	
12	Color Wheel	0	0–2 Open (wheel slot 1) 3–7 Light Red (wheel slot 2) 8–12 Light Blue (wheel slot 3) 13–17 Blue (wheel slot 4) 18–22 Green (wheel slot 5) 23–27 Deep Yellow (wheel slot 6) 28–32 Magenta (wheel slot 7) 33–37 Red Orange (wheel slot 8) 38–42 Pink (wheel slot 9) 43–47 Light Yellow (wheel slot 10) 48–52 Cyan (wheel slot 11) 53–57 Red (wheel slot 12) 58–62 Orange (wheel slot 13) 63–67 Yellow (wheel slot 14) 68–72 Kelly Green (wheel slot 15) 73–77 Mimue Green (wheel slot 16) 78–82 Wine Pink (wheel slot 17) 83–87 Amber (wheel slot 18) 88–92 CTB II (wheel slot 19) 93–97 CTB (wheel slot 20) 98–102 CTO (wheel slot 21) 103–107 Cyan II (wheel slot 22) 108–112 Blue II (wheel slot 23) 113–117 Green II (wheel slot 24) 118–122 Middle Yellow (wheel slot 25) 123–127 Quad Color (wheel slot 26) 128–128 >>> 129–179 >> 180–180 > 181–181 Stop 182–182 < 183–254 << 255–255 <<<
13	Cyan	0	
14	Magenta	0	
15	Yellow	0	

Standard (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	

Standard (continued)

Ch	Function	Default	DMX values
18	Gobo	0	0–7 Open (wheel slot 1) 8–14 RG1 (wheel slot 2) 15–21 RG2 (wheel slot 3) 22–28 RG3 (wheel slot 4) 29–35 RG4 (wheel slot 5) 36–42 RG5 (wheel slot 6) 43–49 RG6 (wheel slot 7) 50–56 RG7 (wheel slot 8) 57–63 RG8 (wheel slot 9) 64–70 RG9 (wheel slot 10) 71–77 RG10 (wheel slot 11) 78–84 RG11 (wheel slot 12) 85–91 RG12 (wheel slot 13) 92–98 RG13 (wheel slot 14) 99–105 RG1 Shake (wheel slot 2) 106–112 RG2 Shake (wheel slot 3) 113–119 RG3 Shake (wheel slot 4) 120–126 RG4 Shake (wheel slot 5) 127–133 RG5 Shake (wheel slot 6) 134–140 RG6 Shake (wheel slot 7) 141–147 RG7 Shake (wheel slot 8) 148–154 RG8 Shake (wheel slot 9) 155–161 RG9 Shake (wheel slot 10) 162–168 RG10 Shake (wheel slot 11) 169–175 RG11 Shake (wheel slot 12) 176–182 RG12 Shake (wheel slot 13) 183–189 RG13 Shake (wheel slot 14) 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 <<<

Standard (continued)

Ch	Function	Default	DMX values
20	Gobo 2	0	0–21 Open (wheel slot 1) 22–24 FG1 (wheel slot 2) 25–27 FG2 (wheel slot 3) 28–30 FG3 (wheel slot 4) 31–33 FG4 (wheel slot 5) 34–36 FG5 (wheel slot 6) 37–39 FG6 (wheel slot 7) 40–42 FG7 (wheel slot 8) 43–45 FG8 (wheel slot 9) 46–48 FG9 (wheel slot 10) 49–51 FG10 (wheel slot 11) 52–54 FG11 (wheel slot 12) 55–57 FG12 (wheel slot 13) 58–60 FG13 (wheel slot 14) 61–63 FG14 (wheel slot 15) 64–66 FG15 (wheel slot 16) 67–69 FG16 (wheel slot 17) 70–72 FG17 (wheel slot 18) 73–75 FG18 (wheel slot 19) 76–78 FG19 (wheel slot 20) 79–81 FG20 (wheel slot 21) 82–84 FG21 (wheel slot 22) 85–87 FG22 (wheel slot 23) 88–90 FG23 (wheel slot 24) 91–93 FG24 (wheel slot 25) 94–97 FG1 Shake (wheel slot 2) 98–101 FG2 Shake (wheel slot 3) 102–105 FG3 Shake (wheel slot 4) 106–109 FG4 Shake (wheel slot 5) 110–113 FG5 Shake (wheel slot 6) 114–117 FG6 Shake (wheel slot 7) 118–121 FG7 Shake (wheel slot 8) 122–125 FG8 Shake (wheel slot 9) 126–129 FG9 Shake (wheel slot 10) 130–133 FG10 Shake (wheel slot 11) 134–137 FG11 Shake (wheel slot 12) 138–141 FG12 Shake (wheel slot 13) 142–145 FG13 Shake (wheel slot 14) 146–149 FG14 Shake (wheel slot 15) 150–153 FG15 Shake (wheel slot 16) 154–157 FG16 Shake (wheel slot 17) 158–161 FG17 Shake (wheel slot 18) 162–165 FG18 Shake (wheel slot 19) 166–169 FG19 Shake (wheel slot 20) 170–173 FG20 Shake (wheel slot 21) 174–177 FG21 Shake (wheel slot 22) 178–181 FG22 Shake (wheel slot 23) 182–185 FG23 Shake (wheel slot 24) 186–189 FG24 Shake (wheel slot 25) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
21	Prism	0	0–31 Open (wheel slot 1) 32–63 Prism 1 (wheel slot 2) 64–95 Prism 2 (wheel slot 3) 96–255 Prism 3 (wheel slot 4)

Standard (continued)

Ch	Function	Default	DMX values
22	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 <<<
23	Prism	0	0–31 Open (wheel slot 1) 32–63 Prism 4 (wheel slot 5) 64–95 Prism 5 (wheel slot 6) 96–255 Prism 6 (wheel slot 7)
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	0–254 Open 255–255 Frost1
26	Frost2	0	0–254 Open 255–255 Frost2
27	Control1	0	0–19 Normal 20–29 Col any pos 30–39 Col/Gobo any pos 40–41 Display Off 42–43 Display On 44–45 Fan Auto 46–53 Fan High 54–55 Gammma=2_0 56–57 Gammma=2_2 58–59 Gammma=2_4 60–61 Gammma=2_6 62–79 Gammma=2_8 80–84 Reset All 85–87 Reset PT 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Zoom 97–99 Reset Others 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–243 Internal program 7 244–246 Home Position Before Power Off 247–255 Home Position Off

Extended

38 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan

Extended (continued)

Ch	Function	Default	DMX values
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–255 Blackout By All Wheel Movement
6	Pan Rotate	0	0–2 Disable 3–64 CW Fast 65–125 CW Med 126–126 CW Slow 127–129 Rot Stop 130–191 CCW Slow 192–252 CCW Med 253–254 CCW Fast 255–255 Rot Stop
7	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 1–24.2 Hz 223–223 Random · max Rnd 25 Hz 224–255 Open 4
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectual 81–100 Theater 101–120 Stage 2 121–121 0s 122–122 0_1s 123–123 0_2s 124–124 0_3s 125–125 0_4s 126–126 0_5s 127–127 0_6s 128–128 0_7s 129–129 0_8s 130–130 0_9s 131–131 1s 132–132 1_5s 133–133 2s 134–134 3s 135–135 4s 136–136 5s 137–137 6s 138–138 7s 139–139 8s 140–140 9s 141–254 10s 255–255 Idle
11	Zoom	128	0–126 Narrow 127–254 Normal 255–255 Wide

Extended (continued)

Ch	Function	Default	DMX values
12	Zoom Fine	128	Fine byte of Zoom
13	Focus	0	
14	Focus Fine	0	Fine byte of Focus
15	Color Wheel	0	0–2 Open (wheel slot 1) 3–7 Light Red (wheel slot 2) 8–12 Light Blue (wheel slot 3) 13–17 Blue (wheel slot 4) 18–22 Green (wheel slot 5) 23–27 Deep Yellow (wheel slot 6) 28–32 Magenta (wheel slot 7) 33–37 Red Orange (wheel slot 8) 38–42 Pink (wheel slot 9) 43–47 Light Yellow (wheel slot 10) 48–52 Cyan (wheel slot 11) 53–57 Red (wheel slot 12) 58–62 Orange (wheel slot 13) 63–67 Yellow (wheel slot 14) 68–72 Kelly Green (wheel slot 15) 73–77 Mimue Green (wheel slot 16) 78–82 Wine Pink (wheel slot 17) 83–87 Amber (wheel slot 18) 88–92 CTB II (wheel slot 19) 93–97 CTB (wheel slot 20) 98–102 CTO (wheel slot 21) 103–107 Cyan II (wheel slot 22) 108–112 Blue II (wheel slot 23) 113–117 Green II (wheel slot 24) 118–122 Middle Yellow (wheel slot 25) 123–127 Quad Color (wheel slot 26) 128–128 >>> 129–179 >> 180–180 > 181–181 Stop 182–182 < 183–254 << 255–255 <<<
16	Color Wheel Fine	0	Fine byte of Color Wheel
17	Cyan	0	
18	Cyan Fine	0	Fine byte of Cyan
19	Magenta	0	
20	Magenta Fine	0	Fine byte of Magenta
21	Yellow	0	
22	Yellow Fine	0	Fine byte of Yellow

Extended (continued)

Ch	Function	Default	DMX values
23	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
24	Color Mix MSpeed	0	

Extended (continued)

Ch	Function	Default	DMX values
25	Gobo	0	0–7 Open (wheel slot 1) 8–14 RG1 (wheel slot 2) 15–21 RG2 (wheel slot 3) 22–28 RG3 (wheel slot 4) 29–35 RG4 (wheel slot 5) 36–42 RG5 (wheel slot 6) 43–49 RG6 (wheel slot 7) 50–56 RG7 (wheel slot 8) 57–63 RG8 (wheel slot 9) 64–70 RG9 (wheel slot 10) 71–77 RG10 (wheel slot 11) 78–84 RG11 (wheel slot 12) 85–91 RG12 (wheel slot 13) 92–98 RG13 (wheel slot 14) 99–105 RG1 Shake (wheel slot 2) 106–112 RG2 Shake (wheel slot 3) 113–119 RG3 Shake (wheel slot 4) 120–126 RG4 Shake (wheel slot 5) 127–133 RG5 Shake (wheel slot 6) 134–140 RG6 Shake (wheel slot 7) 141–147 RG7 Shake (wheel slot 8) 148–154 RG8 Shake (wheel slot 9) 155–161 RG9 Shake (wheel slot 10) 162–168 RG10 Shake (wheel slot 11) 169–175 RG11 Shake (wheel slot 12) 176–182 RG12 Shake (wheel slot 13) 183–189 RG13 Shake (wheel slot 14) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
26	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 <<<
27	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (continued)

Ch	Function	Default	DMX values
28	Gobo 2	0	0–21 Open (wheel slot 1) 22–24 FG1 (wheel slot 2) 25–27 FG2 (wheel slot 3) 28–30 FG3 (wheel slot 4) 31–33 FG4 (wheel slot 5) 34–36 FG5 (wheel slot 6) 37–39 FG6 (wheel slot 7) 40–42 FG7 (wheel slot 8) 43–45 FG8 (wheel slot 9) 46–48 FG9 (wheel slot 10) 49–51 FG10 (wheel slot 11) 52–54 FG11 (wheel slot 12) 55–57 FG12 (wheel slot 13) 58–60 FG13 (wheel slot 14) 61–63 FG14 (wheel slot 15) 64–66 FG15 (wheel slot 16) 67–69 FG16 (wheel slot 17) 70–72 FG17 (wheel slot 18) 73–75 FG18 (wheel slot 19) 76–78 FG19 (wheel slot 20) 79–81 FG20 (wheel slot 21) 82–84 FG21 (wheel slot 22) 85–87 FG22 (wheel slot 23) 88–90 FG23 (wheel slot 24) 91–93 FG24 (wheel slot 25) 94–97 FG1 Shake (wheel slot 2) 98–101 FG2 Shake (wheel slot 3) 102–105 FG3 Shake (wheel slot 4) 106–109 FG4 Shake (wheel slot 5) 110–113 FG5 Shake (wheel slot 6) 114–117 FG6 Shake (wheel slot 7) 118–121 FG7 Shake (wheel slot 8) 122–125 FG8 Shake (wheel slot 9) 126–129 FG9 Shake (wheel slot 10) 130–133 FG10 Shake (wheel slot 11) 134–137 FG11 Shake (wheel slot 12) 138–141 FG12 Shake (wheel slot 13) 142–145 FG13 Shake (wheel slot 14) 146–149 FG14 Shake (wheel slot 15) 150–153 FG15 Shake (wheel slot 16) 154–157 FG16 Shake (wheel slot 17) 158–161 FG17 Shake (wheel slot 18) 162–165 FG18 Shake (wheel slot 19) 166–169 FG19 Shake (wheel slot 20) 170–173 FG20 Shake (wheel slot 21) 174–177 FG21 Shake (wheel slot 22) 178–181 FG22 Shake (wheel slot 23) 182–185 FG23 Shake (wheel slot 24) 186–189 FG24 Shake (wheel slot 25) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
29	Gobo 2 Fine	0	Fine byte of Gobo 2
30	Prism	0	0–31 Open (wheel slot 1) 32–63 Prism 1 (wheel slot 2) 64–95 Prism 2 (wheel slot 3) 96–255 Prism 3 (wheel slot 4)

Extended (continued)

Ch	Function	Default	DMX values
31	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 <<<
32	Prism Rotation Fine	0	Fine byte of Prism Rotation
33	Prism	0	0–31 Open (wheel slot 1) 32–63 Prism 4 (wheel slot 5) 64–95 Prism 5 (wheel slot 6) 96–255 Prism 6 (wheel slot 7)
34	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 <<<
35	Prism Rotation Fine	0	Fine byte of Prism Rotation
36	Frost1	0	0–254 Open 255–255 Frost1
37	Frost2	0	0–254 Open 255–255 Frost2
38	Control1	0	0–19 Normal 20–29 Col any pos 30–39 Col/Gobo any pos 40–41 Display Off 42–43 Display On 44–45 Fan Auto 46–53 Fan High 54–55 Gammma=2_0 56–57 Gammma=2_2 58–59 Gammma=2_4 60–61 Gammma=2_6 62–79 Gammma=2_8 80–84 Reset All 85–87 Reset PT 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Zoom 97–99 Reset Others 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–243 Internal program 7 244–246 Home Position Before Power Off 247–255 Home Position Off