Terbly

GLZ100 IP



Manufacturer	**Terbly**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**27, 36 channels**
Beam angle	**0.9°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**276 × 341 × 227 mm**
GDTF fixture type	**F815D7E8-5E8A-4DE4-B3F8-73…**

Controls

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

DMX modes

Standard	27 ch
Extended	36 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	Pan Rotate	0	32–84 Stop by SpinOut 85–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
6	Tilt Rotate	0	32–84 Stop by SpinOut 85–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
7	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–255 Blackout By All Wheel Movement
8	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
9	Dimmer	0	0–254 Closed 255–255 Open
10	Dimmer Fine	0	Fine byte of Dimmer

Standard (continued)

Ch	Function	Default	DMX values
11	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
12	Focus	0	
13	Focus Fine	0	Fine byte of Focus

Standard (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–2 Open (wheel slot 1) 3–7 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 Deep Blue (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 Dark Amber (wheel slot 26) 128–128 >>> 129–179 >> 180–180 > 181–181 Stop 182–182 < 183–254 << 255–255 <<<
15	Cyan	0	
16	Magenta	0	
17	Yellow	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 <<<
20	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Standard (continued)

Ch	Function	Default	DMX values
21	Gobo 2	0	0–45 Open (wheel slot 1) 46–48 FG1 (wheel slot 2) 49–51 FG2 (wheel slot 3) 52–54 FG3 (wheel slot 4) 55–57 FG4 (wheel slot 5) 58–60 FG5 (wheel slot 6) 61–63 FG6 (wheel slot 7) 64–66 FG7 (wheel slot 8) 67–69 FG8 (wheel slot 9) 70–72 FG9 (wheel slot 10) 73–75 FG10 (wheel slot 11) 76–78 FG11 (wheel slot 12) 79–81 FG12 (wheel slot 13) 82–84 FG13 (wheel slot 14) 85–87 FG14 (wheel slot 15) 88–90 FG15 (wheel slot 16) 91–93 FG16 (wheel slot 17) 94–96 FG17 (wheel slot 18) 97–99 FG18 (wheel slot 19) 100–102 FG19 (wheel slot 20) 103–105 FG20 (wheel slot 21) 106–108 FG21 (wheel slot 22) 109–111 FG22 (wheel slot 23) 112–114 FG23 (wheel slot 24) 115–117 FG24 (wheel slot 25) 118–120 FG1 Shake (wheel slot 2) 121–123 FG2 Shake (wheel slot 3) 124–126 FG3 Shake (wheel slot 4) 127–129 FG4 Shake (wheel slot 5) 130–132 FG5 Shake (wheel slot 6) 133–135 FG6 Shake (wheel slot 7) 136–138 FG7 Shake (wheel slot 8) 139–141 FG8 Shake (wheel slot 9) 142–144 FG9 Shake (wheel slot 10) 145–147 FG10 Shake (wheel slot 11) 148–150 FG11 Shake (wheel slot 12) 151–153 FG12 Shake (wheel slot 13) 154–156 FG13 Shake (wheel slot 14) 157–159 FG14 Shake (wheel slot 15) 160–162 FG15 Shake (wheel slot 16) 163–165 FG16 Shake (wheel slot 17) 166–168 FG17 Shake (wheel slot 18) 169–171 FG18 Shake (wheel slot 19) 172–174 FG19 Shake (wheel slot 20) 175–177 FG20 Shake (wheel slot 21) 178–180 FG21 Shake (wheel slot 22) 181–183 FG22 Shake (wheel slot 23) 184–186 FG23 Shake (wheel slot 24) 187–189 FG24 Shake (wheel slot 25) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
22	Prism	0	0–19 Open (wheel slot 1) 20–73 Prism 1 (wheel slot 2) 74–255 Prism 2 (wheel slot 3)

Standard (continued)

Ch	Function	Default	DMX values
23	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 <<<
24	Prism	0	0–19 Open (wheel slot 1) 20–73 Prism 3 (wheel slot 2) 74–255 Prism 4 (wheel slot 3)
25	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 <<<
26	Frost1	0	0–254 Open 255–255 Frost1
27	Control1	0	0–79 Normal 80–84 Reset All 85–87 Reset PT 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Zoom 97–172 Reset Others 173–174 Hibernation Off 175–176 Hibernation 177–178 Home Postion Before Power Off 179–180 Home Postion Off 181–190 PT Smooth(Default) 191–200 PT Fast 201–210 Linear(Default) 211–220 Square 221–230 Inverse Square 231–240 S-Curve 241–241 Internal Program 1 242–242 Internal Program 2 243–243 Internal Program 3 244–244 Internal Program 4 245–245 Internal Program 5 246–246 Internal Program 6 247–247 Internal Program 7 248–249 Idle 250–251 Display Off 252–255 Display On

Extended

36 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

Extended (continued)

Ch	Function	Default	DMX values
5	Pan Rotate	0	32–84 Stop by SpinOut 85–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
6	Tilt Rotate	0	32–84 Stop by SpinOut 85–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
7	Position MSpeed	0	0–224 Max 225–225 Min 226–235 Blackout By Movement 236–255 Blackout By All Wheel Movement
8	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
9	Dimmer	0	0–254 Closed 255–255 Open
10	Dimmer Fine	0	Fine byte of Dimmer
11	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

Extended (continued)

Ch	Function	Default	DMX values
12	Focus	0	
13	Focus Fine	0	Fine byte of Focus
14	Color Wheel	0	0–2 Open (wheel slot 1) 3–7 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 Deep Blue (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 Dark Amber (wheel slot 26) 128–128 >>> 129–179 >> 180–180 > 181–181 Stop 182–182 < 183–254 << 255–255 <<<
15	Color Wheel Fine	0	Fine byte of Color Wheel
16	Cyan	0	
17	Cyan Fine	0	Fine byte of Cyan
18	Magenta	0	
19	Magenta Fine	0	Fine byte of Magenta
20	Yellow	0	
21	Yellow Fine	0	Fine byte of Yellow

Extended (continued)

Ch	Function	Default	DMX values
22	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
23	Color Mix MSpeed	0	

Extended (continued)

Ch	Function	Default	DMX values
24	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 <<<
25	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 <<<
26	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (continued)

Ch	Function	Default	DMX values
27	Gobo 2	0	0–45 Open (wheel slot 1) 46–48 FG1 (wheel slot 2) 49–51 FG2 (wheel slot 3) 52–54 FG3 (wheel slot 4) 55–57 FG4 (wheel slot 5) 58–60 FG5 (wheel slot 6) 61–63 FG6 (wheel slot 7) 64–66 FG7 (wheel slot 8) 67–69 FG8 (wheel slot 9) 70–72 FG9 (wheel slot 10) 73–75 FG10 (wheel slot 11) 76–78 FG11 (wheel slot 12) 79–81 FG12 (wheel slot 13) 82–84 FG13 (wheel slot 14) 85–87 FG14 (wheel slot 15) 88–90 FG15 (wheel slot 16) 91–93 FG16 (wheel slot 17) 94–96 FG17 (wheel slot 18) 97–99 FG18 (wheel slot 19) 100–102 FG19 (wheel slot 20) 103–105 FG20 (wheel slot 21) 106–108 FG21 (wheel slot 22) 109–111 FG22 (wheel slot 23) 112–114 FG23 (wheel slot 24) 115–117 FG24 (wheel slot 25) 118–120 FG1 Shake (wheel slot 2) 121–123 FG2 Shake (wheel slot 3) 124–126 FG3 Shake (wheel slot 4) 127–129 FG4 Shake (wheel slot 5) 130–132 FG5 Shake (wheel slot 6) 133–135 FG6 Shake (wheel slot 7) 136–138 FG7 Shake (wheel slot 8) 139–141 FG8 Shake (wheel slot 9) 142–144 FG9 Shake (wheel slot 10) 145–147 FG10 Shake (wheel slot 11) 148–150 FG11 Shake (wheel slot 12) 151–153 FG12 Shake (wheel slot 13) 154–156 FG13 Shake (wheel slot 14) 157–159 FG14 Shake (wheel slot 15) 160–162 FG15 Shake (wheel slot 16) 163–165 FG16 Shake (wheel slot 17) 166–168 FG17 Shake (wheel slot 18) 169–171 FG18 Shake (wheel slot 19) 172–174 FG19 Shake (wheel slot 20) 175–177 FG20 Shake (wheel slot 21) 178–180 FG21 Shake (wheel slot 22) 181–183 FG22 Shake (wheel slot 23) 184–186 FG23 Shake (wheel slot 24) 187–189 FG24 Shake (wheel slot 25) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
28	Gobo 2 Fine	0	Fine byte of Gobo 2
29	Prism	0	0–19 Open (wheel slot 1) 20–73 Prism 1 (wheel slot 2) 74–255 Prism 2 (wheel slot 3)

Extended (continued)

Ch	Function	Default	DMX values
30	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 <<<
31	Prism Rotation Fine	0	Fine byte of Prism Rotation
32	Prism	0	0–19 Open (wheel slot 1) 20–73 Prism 3 (wheel slot 2) 74–255 Prism 4 (wheel slot 3)
33	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 <<<
34	Prism Rotation Fine	0	Fine byte of Prism Rotation
35	Frost1	0	0–254 Open 255–255 Frost1
36	Control1	0	0–79 Normal 80–84 Reset All 85–87 Reset PT 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Zoom 97–172 Reset Others 173–174 Hibernation Off 175–176 Hibernation 177–178 Home Postion Before Power Off 179–180 Home Postion Off 181–190 PT Smooth(Default) 191–200 PT Fast 201–210 Linear(Default) 211–220 Square 221–230 Inverse Square 231–240 S-Curve 241–241 Internal Program 1 242–242 Internal Program 2 243–243 Internal Program 3 244–244 Internal Program 4 245–245 Internal Program 5 246–246 Internal Program 6 247–247 Internal Program 7 248–249 Idle 250–251 Display Off 252–255 Display On