Terbly

GLZ300 IP



Manufacturer	**Terbly**
Type	**Laser**
DMX modes	**2**
DMX footprint	**24, 34 channels**
Beam angle	**1°**
Pan range	**540°**
Tilt range	**260°**
Size (W × H × D)	**313 × 516 × 261 mm**
GDTF fixture type	**713D5EC1-95FD-447E-BA51-66…**

Controls

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

Safety-relevant functions

Laser output · Fixture reset · Service functions

DMX modes

Standard	24 ch
Extended	34 ch

Standard

24 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 No function
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 1–24.2 Hz 223–223 Random · maxRnd 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 Architectural 81–100 Theatre 101–255 Default
9	Focus	0	
10	Color Wheel	0	0–17 Open (wheel slot 1) 18–22 Deep Red (wheel slot 2) 23–27 Red (wheel slot 3) 28–32 Light Blue (wheel slot 4) 33–37 Deep Yellow (wheel slot 5) 38–42 Blue (wheel slot 6) 43–47 Green (wheel slot 7) 48–52 Yellow (wheel slot 8) 53–57 Magenta (wheel slot 9) 58–62 Orange (wheel slot 10) 63–67 Pink (wheel slot 11) 68–72 Kelly Green (wheel slot 12) 73–77 Cyan (wheel slot 13) 78–82 Deep Blue (wheel slot 14) 83–87 Amber (wheel slot 15) 88–92 Light Yellow (wheel slot 16) 93–97 Mimus Green (wheel slot 17) 98–102 Kermes (wheel slot 18) 103–107 HMG6 (wheel slot 19) 108–112 CTB (wheel slot 20) 113–117 CTB 1 (wheel slot 21) 118–122 CTO (wheel slot 22) 123–127 UV (wheel slot 23) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
11	Cyan	0	

Standard (continued)

Ch	Function	Default	DMX values
12	Magenta	0	
13	Yellow	0	
14	Color Macro1	0	0–31 OFF 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
15	Color Mix MSpeed	0	

Standard (continued)

Ch	Function	Default	DMX values
16	Gobo	0	0–10 Beam Open (wheel slot 1) 11–20 Spot Open (wheel slot 2) 21–26 RG1 (wheel slot 3) 27–32 RG2 (wheel slot 4) 33–38 RG3 (wheel slot 5) 39–44 RG4 (wheel slot 6) 45–50 RG5 (wheel slot 7) 51–56 RG6 (wheel slot 8) 57–62 RG7 (wheel slot 9) 63–68 RG8 (wheel slot 10) 69–74 RG9 (wheel slot 11) 75–80 RG10 (wheel slot 12) 81–86 RG11 (wheel slot 13) 87–92 RG12 (wheel slot 14) 93–98 RG13 (wheel slot 15) 99–105 RG1 S (wheel slot 3) 106–112 RG2 S (wheel slot 4) 113–119 RG3 S (wheel slot 5) 120–126 RG4 S (wheel slot 6) 127–133 RG5 S (wheel slot 7) 134–140 RG6 S (wheel slot 8) 141–147 RG7 S (wheel slot 9) 148–154 RG8 S (wheel slot 10) 155–161 RG9 S (wheel slot 11) 162–168 RG10 S (wheel slot 12) 169–175 RG11 S (wheel slot 13) 176–182 RG12 S (wheel slot 14) 183–189 RG13 S (wheel slot 15) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
17	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
18	Gobo 2	0	0–33 Open (wheel slot 1) 34–35 FG1 (wheel slot 2) 36–37 FG2 (wheel slot 3) 38–39 FG3 (wheel slot 4) 40–41 FG4 (wheel slot 5) 42–43 FG5 (wheel slot 6) 44–45 FG6 (wheel slot 7) 46–47 FG7 (wheel slot 8) 48–49 FG8 (wheel slot 9) 50–51 FG9 (wheel slot 10) 52–53 FG10 (wheel slot 11) 54–55 FG11 (wheel slot 12) 56–57 FG12 (wheel slot 13) 58–59 FG13 (wheel slot 14) 60–61 FG14 (wheel slot 15) 62–63 FG15 (wheel slot 16) 64–65 FG16 (wheel slot 17) 66–67 FG17 (wheel slot 18) 68–69 FG18 (wheel slot 19) 70–71 FG19 (wheel slot 20) 72–73 FG20 (wheel slot 21) 74–75 FG21 (wheel slot 22) 76–77 FG22 (wheel slot 23) 78–79 FG23 (wheel slot 24) 80–81 FG24 (wheel slot 25) 82–83 FG25 (wheel slot 26) 84–85 FG26 (wheel slot 27) 86–89 FG1 S (wheel slot 2) 90–93 FG2 S (wheel slot 3) 94–97 FG3 S (wheel slot 4) 98–101 FG4 S (wheel slot 5) 102–105 FG5 S (wheel slot 6) 106–109 FG6 S (wheel slot 7) 110–113 FG7 S (wheel slot 8) 114–117 FG8 S (wheel slot 9) 118–121 FG9 S (wheel slot 10) 122–125 FG10 S (wheel slot 11) 126–129 FG11 S (wheel slot 12) 130–133 FG12 S (wheel slot 13) 134–137 FG13 S (wheel slot 14) 138–141 FG14 S (wheel slot 15) 142–145 FG15 S (wheel slot 16) 146–149 FG16 S (wheel slot 17) 150–153 FG17 S (wheel slot 18) 154–157 FG18 S (wheel slot 19) 158–161 FG19 S (wheel slot 20) 162–165 FG20 S (wheel slot 21) 166–169 FG21 S (wheel slot 22) 170–173 FG22 S (wheel slot 23) 174–177 FG23 S (wheel slot 24) 178–181 FG24 S (wheel slot 25) 182–185 FG25 S (wheel slot 26) 186–189 FG26 S (wheel slot 27) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<

Standard (continued)

Ch	Function	Default	DMX values
19	Prism	0	0–31 Open (wheel slot 1) 32–95 8 Prism (wheel slot 2) 96–127 4 Linear Prism (wheel slot 3) 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
20	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 <<<
21	Prism	0	0–31 Open (wheel slot 1) 32–95 48 Prism (wheel slot 4) 96–255 10 Prism (wheel slot 5)
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	Frost1	0	0–254 Open 255–255 Full Frost

Standard (continued)

Ch	Function	Default	DMX values
24	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 46–47 Fan High 48–49 Fan Silent 50–51 Fan Studio 52–53 Fan Mute 54–55 Gamma=2`0 56–57 Gamma=2'2 58–59 Gamma=2'4 60–61 Gamma=2'6 62–63 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 6 220–239 Internal pro 7 244–246 Home Position Before Power Off 247–255 Home Position Off

Extended

34 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 No function
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 1–24.2 Hz 223–223 Random · maxRnd 25 Hz 224–255 Open 4
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

Extended (continued)

Ch	Function	Default	DMX values
9	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default
10	Focus	0	
11	Focus Fine	0	Fine byte of Focus
12	Color Wheel	0	0–17 Open (wheel slot 1) 18–22 Deep Red (wheel slot 2) 23–27 Red (wheel slot 3) 28–32 Light Blue (wheel slot 4) 33–37 Deep Yellow (wheel slot 5) 38–42 Blue (wheel slot 6) 43–47 Green (wheel slot 7) 48–52 Yellow (wheel slot 8) 53–57 Magenta (wheel slot 9) 58–62 Orange (wheel slot 10) 63–67 Pink (wheel slot 11) 68–72 Kelly Green (wheel slot 12) 73–77 Cyan (wheel slot 13) 78–82 Deep Blue (wheel slot 14) 83–87 Amber (wheel slot 15) 88–92 Light Yellow (wheel slot 16) 93–97 Mimus Green (wheel slot 17) 98–102 Kermes (wheel slot 18) 103–107 HMG6 (wheel slot 19) 108–112 CTB (wheel slot 20) 113–117 CTB 1 (wheel slot 21) 118–122 CTO (wheel slot 22) 123–127 UV (wheel slot 23) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
13	Color Wheel Fine	0	Fine byte of Color Wheel
14	Cyan	0	
15	Cyan Fine	0	Fine byte of Cyan
16	Magenta	0	
17	Magenta Fine	0	Fine byte of Magenta
18	Yellow	0	
19	Yellow Fine	0	Fine byte of Yellow

Extended (continued)

Ch	Function	Default	DMX values
20	Color Macro1	0	0–31 OFF 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
21	Color Mix MSpeed	0	

Extended (continued)

Ch	Function	Default	DMX values
22	Gobo	0	0–10 Beam Open (wheel slot 1) 11–20 Spot Open (wheel slot 2) 21–26 RG1 (wheel slot 3) 27–32 RG2 (wheel slot 4) 33–38 RG3 (wheel slot 5) 39–44 RG4 (wheel slot 6) 45–50 RG5 (wheel slot 7) 51–56 RG6 (wheel slot 8) 57–62 RG7 (wheel slot 9) 63–68 RG8 (wheel slot 10) 69–74 RG9 (wheel slot 11) 75–80 RG10 (wheel slot 12) 81–86 RG11 (wheel slot 13) 87–92 RG12 (wheel slot 14) 93–98 RG13 (wheel slot 15) 99–105 RG1 S (wheel slot 3) 106–112 RG2 S (wheel slot 4) 113–119 RG3 S (wheel slot 5) 120–126 RG4 S (wheel slot 6) 127–133 RG5 S (wheel slot 7) 134–140 RG6 S (wheel slot 8) 141–147 RG7 S (wheel slot 9) 148–154 RG8 S (wheel slot 10) 155–161 RG9 S (wheel slot 11) 162–168 RG10 S (wheel slot 12) 169–175 RG11 S (wheel slot 13) 176–182 RG12 S (wheel slot 14) 183–189 RG13 S (wheel slot 15) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
23	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 <<<
24	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (continued)

Ch	Function	Default	DMX values
25	Gobo 2	0	0–33 Open (wheel slot 1) 34–35 FG1 (wheel slot 2) 36–37 FG2 (wheel slot 3) 38–39 FG3 (wheel slot 4) 40–41 FG4 (wheel slot 5) 42–43 FG5 (wheel slot 6) 44–45 FG6 (wheel slot 7) 46–47 FG7 (wheel slot 8) 48–49 FG8 (wheel slot 9) 50–51 FG9 (wheel slot 10) 52–53 FG10 (wheel slot 11) 54–55 FG11 (wheel slot 12) 56–57 FG12 (wheel slot 13) 58–59 FG13 (wheel slot 14) 60–61 FG14 (wheel slot 15) 62–63 FG15 (wheel slot 16) 64–65 FG16 (wheel slot 17) 66–67 FG17 (wheel slot 18) 68–69 FG18 (wheel slot 19) 70–71 FG19 (wheel slot 20) 72–73 FG20 (wheel slot 21) 74–75 FG21 (wheel slot 22) 76–77 FG22 (wheel slot 23) 78–79 FG23 (wheel slot 24) 80–81 FG24 (wheel slot 25) 82–83 FG25 (wheel slot 26) 84–85 FG26 (wheel slot 27) 86–89 FG1 S (wheel slot 2) 90–93 FG2 S (wheel slot 3) 94–97 FG3 S (wheel slot 4) 98–101 FG4 S (wheel slot 5) 102–105 FG5 S (wheel slot 6) 106–109 FG6 S (wheel slot 7) 110–113 FG7 S (wheel slot 8) 114–117 FG8 S (wheel slot 9) 118–121 FG9 S (wheel slot 10) 122–125 FG10 S (wheel slot 11) 126–129 FG11 S (wheel slot 12) 130–133 FG12 S (wheel slot 13) 134–137 FG13 S (wheel slot 14) 138–141 FG14 S (wheel slot 15) 142–145 FG15 S (wheel slot 16) 146–149 FG16 S (wheel slot 17) 150–153 FG17 S (wheel slot 18) 154–157 FG18 S (wheel slot 19) 158–161 FG19 S (wheel slot 20) 162–165 FG20 S (wheel slot 21) 166–169 FG21 S (wheel slot 22) 170–173 FG22 S (wheel slot 23) 174–177 FG23 S (wheel slot 24) 178–181 FG24 S (wheel slot 25) 182–185 FG25 S (wheel slot 26) 186–189 FG26 S (wheel slot 27) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
26	Gobo 2 Fine	0	Fine byte of Gobo 2

Extended (continued)

Ch	Function	Default	DMX values
27	Prism	0	0–31 Open (wheel slot 1) 32–95 8 Prism (wheel slot 2) 96–127 4 Linear Prism (wheel slot 3) 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
28	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 <<<
29	Prism Rotation Fine	0	Fine byte of Prism Rotation
30	Prism	0	0–31 Open (wheel slot 1) 32–95 48 Prism (wheel slot 4) 96–255 10 Prism (wheel slot 5)
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	Frost1	0	0–254 Open 255–255 Full Frost

Extended (continued)

Ch	Function	Default	DMX values
34	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 46–47 Fan High 48–49 Fan Silent 50–51 Fan Studio 52–53 Fan Mute 54–55 Gamma=2`0 56–57 Gamma=2'2 58–59 Gamma=2'4 60–61 Gamma=2'6 62–63 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 6 220–239 Internal pro 7 244–246 Home Position Before Power Off 247–255 Home Position Off