Terbly

GLZ100



Manufacturer	**Terbly**
Type	**Laser**
DMX modes	**3**
DMX footprint	**15, 17, 24 channels**
Beam angle	**1.5°**
Pan range	**540°**
Tilt range	**260°**
Size (W × H × D)	**200 × 281 × 170 mm**
GDTF fixture type	**EA95102D-6AA1-4BF9-9349-1F…**

Controls

Focus · Prism · Prism rotation · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos

Safety-relevant functions

Laser output · Fixture reset · Service functions

DMX modes

Basic	15 ch
Standard	17 ch
Extended	24 ch

Basic

15 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 No function
4	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
5	Dimmer	0	0–254 Closed 255–255 Open
6	Dimmer	255	0–254 Closed 255–255 Open
7	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default
8	Focus	136	
9	Color Wheel	0	0–8 Open (wheel slot 1) 9–15 Red (wheel slot 2) 16–22 Light Blue (wheel slot 3) 23–29 Blue (wheel slot 4) 30–36 Green (wheel slot 5) 37–43 Yellow (wheel slot 6) 44–50 Magenta (wheel slot 7) 51–57 Orange (wheel slot 8) 58–64 Pink (wheel slot 9) 65–71 Kelly Green (wheel slot 10) 72–78 Cyan (wheel slot 11) 79–85 Deep Blue (wheel slot 12) 86–92 Amber (wheel slot 13) 93–99 Deep Yellow (wheel slot 14) 100–106 Kermes (wheel slot 15) 107–113 CTB-008 (wheel slot 16) 114–120 CTO-008 (wheel slot 17) 121–127 UV (wheel slot 18) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<

Basic (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–27 Open (wheel slot 1) 28–29 FG1 (wheel slot 2) 30–31 FG2 (wheel slot 3) 32–33 FG3 (wheel slot 4) 34–35 FG4 (wheel slot 5) 36–37 FG5 (wheel slot 6) 38–39 FG6 (wheel slot 7) 40–41 FG7 (wheel slot 8) 42–43 FG8 (wheel slot 9) 44–45 FG9 (wheel slot 10) 46–47 FG10 (wheel slot 11) 48–49 FG11 (wheel slot 12) 50–51 FG12 (wheel slot 13) 52–53 FG13 (wheel slot 14) 54–55 FG14 (wheel slot 15) 56–57 FG15 (wheel slot 16) 58–59 FG16 (wheel slot 17) 60–61 FG17 (wheel slot 18) 62–63 FG18 (wheel slot 19) 64–65 FG19 (wheel slot 20) 66–67 FG20 (wheel slot 21) 68–69 FG21 (wheel slot 22) 70–71 FG22 (wheel slot 23) 72–73 FG23 (wheel slot 24) 74–75 FG24 (wheel slot 25) 76–77 FG25 (wheel slot 26) 78–79 FG26 (wheel slot 27) 80–81 FG27 (wheel slot 28) 82–85 FG1 (wheel slot 2) 86–89 FG2 (wheel slot 3) 90–93 FG3 (wheel slot 4) 94–97 FG4 (wheel slot 5) 98–101 FG5 (wheel slot 6) 102–105 FG6 (wheel slot 7) 106–109 FG7 (wheel slot 8) 110–113 FG8 (wheel slot 9) 114–117 FG9 (wheel slot 10) 118–121 FG10 (wheel slot 11) 122–125 FG11 (wheel slot 12) 126–129 FG12 (wheel slot 13) 130–133 FG13 (wheel slot 14) 134–137 FG14 (wheel slot 15) 138–141 FG15 (wheel slot 16) 142–145 FG16 (wheel slot 17) 146–149 FG17 (wheel slot 18) 150–153 FG18 (wheel slot 19) 154–157 FG19 (wheel slot 20) 158–161 FG20 (wheel slot 21) 162–165 FG21 (wheel slot 22) 166–169 FG22 (wheel slot 23) 170–173 FG23 (wheel slot 24) 174–177 FG24 (wheel slot 25) 178–181 FG25 (wheel slot 26) 182–185 FG26 (wheel slot 27) 186–189 FG27 (wheel slot 28) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<

Basic (continued)

Ch	Function	Default	DMX values
11	Prism	0	0–126 Open (wheel slot 1) 127–127 12 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
12	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 <<<
13	Prism	0	0–126 Open (wheel slot 1) 127–255 8 Prism (wheel slot 3)
14	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 <<<

Basic (continued)

Ch	Function	Default	DMX values
15	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 6 220–255 Internal pro 7

Standard

17 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	255	0–254 Closed 255–255 Open

Standard (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	136	
11	Color Wheel	0	0–8 Open (wheel slot 1) 9–15 Red (wheel slot 2) 16–22 Light Blue (wheel slot 3) 23–29 Blue (wheel slot 4) 30–36 Green (wheel slot 5) 37–43 Yellow (wheel slot 6) 44–50 Magenta (wheel slot 7) 51–57 Orange (wheel slot 8) 58–64 Pink (wheel slot 9) 65–71 Kelly Green (wheel slot 10) 72–78 Cyan (wheel slot 11) 79–85 Deep Blue (wheel slot 12) 86–92 Amber (wheel slot 13) 93–99 Deep Yellow (wheel slot 14) 100–106 Kermes (wheel slot 15) 107–113 CTB-008 (wheel slot 16) 114–120 CTO-008 (wheel slot 17) 121–127 UV (wheel slot 18) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<

Standard (continued)

Ch	Function	Default	DMX values
12	Gobo	0	0–27 Open (wheel slot 1) 28–29 FG1 (wheel slot 2) 30–31 FG2 (wheel slot 3) 32–33 FG3 (wheel slot 4) 34–35 FG4 (wheel slot 5) 36–37 FG5 (wheel slot 6) 38–39 FG6 (wheel slot 7) 40–41 FG7 (wheel slot 8) 42–43 FG8 (wheel slot 9) 44–45 FG9 (wheel slot 10) 46–47 FG10 (wheel slot 11) 48–49 FG11 (wheel slot 12) 50–51 FG12 (wheel slot 13) 52–53 FG13 (wheel slot 14) 54–55 FG14 (wheel slot 15) 56–57 FG15 (wheel slot 16) 58–59 FG16 (wheel slot 17) 60–61 FG17 (wheel slot 18) 62–63 FG18 (wheel slot 19) 64–65 FG19 (wheel slot 20) 66–67 FG20 (wheel slot 21) 68–69 FG21 (wheel slot 22) 70–71 FG22 (wheel slot 23) 72–73 FG23 (wheel slot 24) 74–75 FG24 (wheel slot 25) 76–77 FG25 (wheel slot 26) 78–79 FG26 (wheel slot 27) 80–81 FG27 (wheel slot 28) 82–85 FG1 (wheel slot 2) 86–89 FG2 (wheel slot 3) 90–93 FG3 (wheel slot 4) 94–97 FG4 (wheel slot 5) 98–101 FG5 (wheel slot 6) 102–105 FG6 (wheel slot 7) 106–109 FG7 (wheel slot 8) 110–113 FG8 (wheel slot 9) 114–117 FG9 (wheel slot 10) 118–121 FG10 (wheel slot 11) 122–125 FG11 (wheel slot 12) 126–129 FG12 (wheel slot 13) 130–133 FG13 (wheel slot 14) 134–137 FG14 (wheel slot 15) 138–141 FG15 (wheel slot 16) 142–145 FG16 (wheel slot 17) 146–149 FG17 (wheel slot 18) 150–153 FG18 (wheel slot 19) 154–157 FG19 (wheel slot 20) 158–161 FG20 (wheel slot 21) 162–165 FG21 (wheel slot 22) 166–169 FG22 (wheel slot 23) 170–173 FG23 (wheel slot 24) 174–177 FG24 (wheel slot 25) 178–181 FG25 (wheel slot 26) 182–185 FG26 (wheel slot 27) 186–189 FG27 (wheel slot 28) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<

Standard (continued)

Ch	Function	Default	DMX values
13	Prism	0	0–126 Open (wheel slot 1) 127–127 12 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
14	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 <<<
15	Prism	0	0–126 Open (wheel slot 1) 127–255 8 Prism (wheel slot 3)
16	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 <<<

Standard (continued)

Ch	Function	Default	DMX values
17	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 6 220–255 Internal pro 7

Extended

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 Fine	0	Fine byte of Dimmer
9	Dimmer	255	0–254 Closed 255–255 Open
10	Dimmer Fine	255	Fine byte of Dimmer

Extended (continued)

Ch	Function	Default	DMX values
11	Dimmer Curve	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 Default
12	Focus	136	
13	Focus Fine	136	Fine byte of Focus
14	Color Wheel	0	0–8 Open (wheel slot 1) 9–15 Red (wheel slot 2) 16–22 Light Blue (wheel slot 3) 23–29 Blue (wheel slot 4) 30–36 Green (wheel slot 5) 37–43 Yellow (wheel slot 6) 44–50 Magenta (wheel slot 7) 51–57 Orange (wheel slot 8) 58–64 Pink (wheel slot 9) 65–71 Kelly Green (wheel slot 10) 72–78 Cyan (wheel slot 11) 79–85 Deep Blue (wheel slot 12) 86–92 Amber (wheel slot 13) 93–99 Deep Yellow (wheel slot 14) 100–106 Kermes (wheel slot 15) 107–113 CTB-008 (wheel slot 16) 114–120 CTO-008 (wheel slot 17) 121–127 UV (wheel slot 18) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
15	Color Wheel Fine	0	Fine byte of Color Wheel

Extended (continued)

Ch	Function	Default	DMX values
16	Gobo	0	0–27 Open (wheel slot 1) 28–29 FG1 (wheel slot 2) 30–31 FG2 (wheel slot 3) 32–33 FG3 (wheel slot 4) 34–35 FG4 (wheel slot 5) 36–37 FG5 (wheel slot 6) 38–39 FG6 (wheel slot 7) 40–41 FG7 (wheel slot 8) 42–43 FG8 (wheel slot 9) 44–45 FG9 (wheel slot 10) 46–47 FG10 (wheel slot 11) 48–49 FG11 (wheel slot 12) 50–51 FG12 (wheel slot 13) 52–53 FG13 (wheel slot 14) 54–55 FG14 (wheel slot 15) 56–57 FG15 (wheel slot 16) 58–59 FG16 (wheel slot 17) 60–61 FG17 (wheel slot 18) 62–63 FG18 (wheel slot 19) 64–65 FG19 (wheel slot 20) 66–67 FG20 (wheel slot 21) 68–69 FG21 (wheel slot 22) 70–71 FG22 (wheel slot 23) 72–73 FG23 (wheel slot 24) 74–75 FG24 (wheel slot 25) 76–77 FG25 (wheel slot 26) 78–79 FG26 (wheel slot 27) 80–81 FG27 (wheel slot 28) 82–85 FG1 (wheel slot 2) 86–89 FG2 (wheel slot 3) 90–93 FG3 (wheel slot 4) 94–97 FG4 (wheel slot 5) 98–101 FG5 (wheel slot 6) 102–105 FG6 (wheel slot 7) 106–109 FG7 (wheel slot 8) 110–113 FG8 (wheel slot 9) 114–117 FG9 (wheel slot 10) 118–121 FG10 (wheel slot 11) 122–125 FG11 (wheel slot 12) 126–129 FG12 (wheel slot 13) 130–133 FG13 (wheel slot 14) 134–137 FG14 (wheel slot 15) 138–141 FG15 (wheel slot 16) 142–145 FG16 (wheel slot 17) 146–149 FG17 (wheel slot 18) 150–153 FG18 (wheel slot 19) 154–157 FG19 (wheel slot 20) 158–161 FG20 (wheel slot 21) 162–165 FG21 (wheel slot 22) 166–169 FG22 (wheel slot 23) 170–173 FG23 (wheel slot 24) 174–177 FG24 (wheel slot 25) 178–181 FG25 (wheel slot 26) 182–185 FG26 (wheel slot 27) 186–189 FG27 (wheel slot 28) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
17	Gobo Fine	0	Fine byte of Gobo

Extended (continued)

Ch	Function	Default	DMX values
18	Prism	0	0–126 Open (wheel slot 1) 127–127 12 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
19	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 <<<
20	Prism Rotation Fine	0	Fine byte of Prism Rotation
21	Prism	0	0–126 Open (wheel slot 1) 127–255 8 Prism (wheel slot 3)
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 Rotation Fine	0	Fine byte of Prism Rotation

Extended (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 6 220–255 Internal pro 7