Terbly

Z620H



Manufacturer	**Terbly**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**20, 28 channels**
Beam angle	**2.3-39°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**262 × 419 × 236 mm**
GDTF fixture type	**5A8C0C17-12A1-403C-AB79-39…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Service functions

DMX modes

Standard	20 ch
Extended	28 ch

Standard

20 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
6	Shutter / Strobe	63	0–31 Closed 32–63 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 1–9.71 Hz 223–223 Random · max Rnd 10 Hz 224–255 Open 4
7	Dimmer	0	0–254 Closed 255–255 Open
8	Zoom	128	0–127 narrow 128–254 normal 255–255 wide
9	Focus	128	
10	Focus1Distance	0	0–100 Safe 101–150 10m 151–200 15m 201–255 20m
11	Focus1Adjust	128	
12	Color Wheel	0	0–10 Open (wheel slot 1) 11–18 Red (wheel slot 2) 19–26 Blue (wheel slot 3) 27–34 Green (wheel slot 4) 35–42 Yellow (wheel slot 5) 43–50 Magenta (wheel slot 6) 51–58 Orange (wheel slot 7) 59–66 Pink (wheel slot 8) 67–74 Kelly Green (wheel slot 9) 75–82 Cyan (wheel slot 10) 83–90 Amber (wheel slot 11) 91–98 Light Yellow (wheel slot 12) 99–106 CTB (wheel slot 13) 107–114 CTO (wheel slot 14) 115–127 UV (wheel slot 15) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<

Standard (continued)

Ch	Function	Default	DMX values
13	Gobo	0	0–10 Beam mode(Open) (wheel slot 1) 11–21 Spot mode(Open) (wheel slot 1) 22–31 RG1 (wheel slot 2) 32–41 RG2 (wheel slot 3) 42–51 RG3 (wheel slot 4) 52–61 RG4 (wheel slot 5) 62–71 RG5 (wheel slot 6) 72–81 RG6 (wheel slot 7) 82–91 RG7 (wheel slot 8) 92–101 RG8 (wheel slot 9) 102–112 RG1 Shake (wheel slot 2) 113–123 RG2 Shake (wheel slot 3) 124–134 RG3 Shake (wheel slot 4) 135–145 RG4 Shake (wheel slot 5) 146–156 RG5 Shake (wheel slot 6) 157–167 RG6 Shake (wheel slot 7) 168–178 RG7 Shake (wheel slot 8) 179–189 RG8 Shake (wheel slot 9) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
14	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
15	Gobo 2	0	0–7 Open (wheel slot 1) 8–14 FG1 (wheel slot 2) 15–21 FG2 (wheel slot 3) 22–28 FG3 (wheel slot 4) 29–35 FG4 (wheel slot 5) 36–42 FG5 (wheel slot 6) 43–49 FG6 (wheel slot 7) 50–56 FG7 (wheel slot 8) 57–63 FG8 (wheel slot 9) 64–70 FG9 (wheel slot 10) 71–77 FG10 (wheel slot 11) 78–84 FG11 (wheel slot 12) 85–91 FG12 (wheel slot 13) 92–98 FG13 (wheel slot 14) 99–105 FG14 (wheel slot 15) 106–111 FG1 Shake (wheel slot 2) 112–117 FG2 Shake (wheel slot 3) 118–123 FG3 Shake (wheel slot 4) 124–129 FG4 Shake (wheel slot 5) 130–135 FG5 Shake (wheel slot 6) 136–141 FG6 Shake (wheel slot 7) 142–147 FG7 Shake (wheel slot 8) 148–153 FG8 Shake (wheel slot 9) 154–159 FG9 Shake (wheel slot 10) 160–165 FG10 Shake (wheel slot 11) 166–171 FG11 Shake (wheel slot 12) 172–177 FG12 Shake (wheel slot 13) 178–183 FG13 Shake (wheel slot 14) 184–189 FG14 Shake (wheel slot 15) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
16	Prism	0	0–31 Open (wheel slot 1) 32–63 Prism 1 (wheel slot 2) 64–95 Prism 2 (wheel slot 3) 96–127 Prism 1+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

Standard (continued)

Ch	Function	Default	DMX values
17	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 <<<
18	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 <<<
19	Frost1	0	0–254 Open 255–255 Frost
20	Control1	0	0–19 Normal 20–29 Col any pos 30–39 Col/Gobo any pos 40–49 Lamp On 50–59 Lamp Off 60–66 Lamp power 330W 67–79 Lamp power 420W 80–84 Reset All 85–87 Reset P/T 88–90 Reset Colors 91–93 Reset Gobos 94–96 Reset Shutter 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 247–249 Home Position Off 250–251 Display Off 252–255 Display On

Extended

28 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 2 128–158 min Pulse 159–159 max Pulse 160–191 Open 3 192–222 Random · min Rnd 1–9.71 Hz 223–223 Random · max Rnd 10 Hz 224–255 Open 4
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Zoom	128	0–127 narrow 128–254 normal 255–255 wide
10	Zoom Fine	128	Fine byte of Zoom
11	Focus	128	
12	Focus Fine	128	Fine byte of Focus
13	Focus1Distance	0	0–50 Safe 51–150 10m 151–200 15m 201–255 20m
14	Focus1Adjust	128	
15	Color Wheel	0	0–7 Open (wheel slot 1) 8–16 Red (wheel slot 2) 17–24 Blue (wheel slot 3) 25–33 Green (wheel slot 4) 34–41 Yellow (wheel slot 5) 42–50 Magenta (wheel slot 6) 51–58 Orange (wheel slot 7) 59–67 Pink (wheel slot 8) 68–75 Kelly Green (wheel slot 9) 76–84 Cyan (wheel slot 10) 85–92 Amber (wheel slot 11) 93–101 Light Yellow (wheel slot 12) 102–109 CTB (wheel slot 13) 110–118 CTO (wheel slot 14) 119–127 UV (wheel slot 15) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 < 255–255 <<<
16	Color Wheel Fine	0	Fine byte of Color Wheel

Extended (continued)

Ch	Function	Default	DMX values
17	Gobo	0	0–10 Beam mode(Open) (wheel slot 1) 11–21 Spot mode(Open) (wheel slot 1) 22–31 RG1 (wheel slot 2) 32–41 RG2 (wheel slot 3) 42–51 RG3 (wheel slot 4) 52–61 RG4 (wheel slot 5) 62–71 RG5 (wheel slot 6) 72–81 RG6 (wheel slot 7) 82–91 RG7 (wheel slot 8) 92–101 RG8 (wheel slot 9) 102–112 RG1 Shake (wheel slot 2) 113–123 RG2 Shake (wheel slot 3) 124–134 RG3 Shake (wheel slot 4) 135–145 RG4 Shake (wheel slot 5) 146–156 RG5 Shake (wheel slot 6) 157–167 RG6 Shake (wheel slot 7) 168–178 RG7 Shake (wheel slot 8) 179–189 RG8 Shake (wheel slot 9) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
18	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 <<<
19	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extended (continued)

Ch	Function	Default	DMX values
20	Gobo 2	0	0–7 Open (wheel slot 1) 8–14 FG1 (wheel slot 2) 15–21 FG2 (wheel slot 3) 22–28 FG3 (wheel slot 4) 29–35 FG4 (wheel slot 5) 36–42 FG5 (wheel slot 6) 43–49 FG6 (wheel slot 7) 50–56 FG7 (wheel slot 8) 57–63 FG8 (wheel slot 9) 64–70 FG9 (wheel slot 10) 71–77 FG10 (wheel slot 11) 78–84 FG11 (wheel slot 12) 85–91 FG12 (wheel slot 13) 92–98 FG13 (wheel slot 14) 99–105 FG14 (wheel slot 15) 106–111 FG1 Shake (wheel slot 2) 112–117 FG2 Shake (wheel slot 3) 118–123 FG3 Shake (wheel slot 4) 124–129 FG4 Shake (wheel slot 5) 130–135 FG5 Shake (wheel slot 6) 136–141 FG6 Shake (wheel slot 7) 142–147 FG7 Shake (wheel slot 8) 148–153 FG8 Shake (wheel slot 9) 154–159 FG9 Shake (wheel slot 10) 160–165 FG10 Shake (wheel slot 11) 166–171 FG11 Shake (wheel slot 12) 172–177 FG12 Shake (wheel slot 13) 178–183 FG13 Shake (wheel slot 14) 184–189 FG14 Shake (wheel slot 15) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
21	Gobo 2 Fine	0	Fine byte of Gobo 2
22	Prism	0	0–31 Open (wheel slot 1) 32–63 Prism 1 (wheel slot 2) 64–95 Prism 2 (wheel slot 3) 96–127 Prism 1+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

Extended (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 Rotation Fine	0	Fine byte of Prism Rotation
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	Prism Rotation Fine	0	Fine byte of Prism Rotation
27	Frost1	0	0–254 Open 255–255 Frost
28	Control1	0	0–19 Normal 20–29 Col any pos 30–39 Col/Gobo any pos 40–49 Lamp On 50–59 Lamp Off 60–66 Lamp power 330W 67–79 Lamp power 420W 80–84 Reset All 85–87 Reset P/T 88–90 Reset Colors 91–93 Reset Gobos 94–96 Reset Shutter 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 247–249 Home Position Off 250–251 Display Off 252–255 Display On