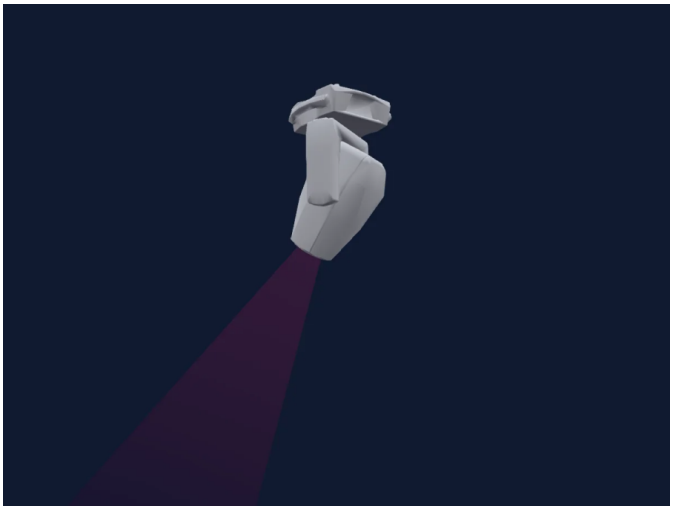
Terbly

PT800S



Manufacturer	**Terbly**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**29, 41 channels**
Beam angle	**8-50°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**285 × 508 × 304 mm**
GDTF fixture type	**D71FA4A9-F221-4584-9DAF-89…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

Standard	29 ch
Extended	41 ch

Standard

29 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Magenta	0	
3	Yellow	0	
4	C TO	0	0–254 6500K 255–255 2700K
5	Pan	128	
6	Tilt	128	
7	Position MSpeed	0	0–224 max 225–225 min 226–235 BO by Movement 236–255 BO by all Wheel
8	Position Modes	0	0–31 Quick 32–255 Smooth
9	Color Wheel	0	0–13 Open (wheel slot 1) 14–27 Red (wheel slot 2) 28–41 Blue (wheel slot 3) 42–55 Green (wheel slot 4) 56–69 Yellow (wheel slot 5) 70–83 Orange (wheel slot 6) 84–97 Pink (wheel slot 7) 98–111 UV (wheel slot 8) 112–127 CTB (wheel slot 9) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
10	Gobo	0	0–9 Open (wheel slot 1) 10–19 RG11 (wheel slot 2) 20–29 RG12 (wheel slot 3) 30–39 RG13 (wheel slot 4) 40–49 RG14 (wheel slot 5) 50–59 RG15 (wheel slot 6) 60–69 RG16 (wheel slot 7) 70–89 RG11 Shake (wheel slot 2) 90–109 RG12 Shake (wheel slot 3) 110–129 RG13 Shake (wheel slot 4) 130–149 RG14 Shake (wheel slot 5) 150–169 RG15 Shake (wheel slot 6) 170–189 RG16 Shake (wheel slot 7) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
11	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
12	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 RG21 (wheel slot 2) 20–29 RG22 (wheel slot 3) 30–39 RG23 (wheel slot 4) 40–49 RG24 (wheel slot 5) 50–59 RG25 (wheel slot 6) 60–69 RG26 (wheel slot 7) 70–89 RG21 Shake (wheel slot 2) 90–109 RG22 Shake (wheel slot 3) 110–129 RG23 Shake (wheel slot 4) 130–149 RG24 Shake (wheel slot 5) 150–169 RG25 Shake (wheel slot 6) 170–189 RG26 Shake (wheel slot 7) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
13	Gobo Rotation 2	0	0–126 zero 127–127 max Index 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
14	Prism	0	0–63 Open (wheel slot 1) 64–127 3 Facet 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
15	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 <<<
16	Focus	127	
17	Zoom	127	0–126 narrow 127–254 normal 255–255 wide

Standard (continued)

Ch	Function	Default	DMX values
18	Focus1Distance	0	0–15 Safe 16–32 5m 33–47 7m 48–63 10m 64–255 15m
19	Focus1Adjust	128	
20	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 · maxRnd 10 Hz 224–255 Open 4
21	Dimmer	0	0–254 Closed 255–255 Open
22	Iris	0	0–190 Open 191–191 Closed 192–222 Pulse closing fast 223–223 Pulse closing slow 224–254 Pulse opening slow 255–255 Pulse opening fast
23	Frost1	0	0–127 Open (wheel slot 1) 128–255 Frost (wheel slot 2)
24	Animation Wheel1	0	0–7 Open (wheel slot 1) 8–8 >>> 9–126 >> 127–127 > 128–135 Stop 136–136 < 137–254 << 255–255 <<<
25	Color Mix MSpeed	0	

Standard (continued)

Ch	Function	Default	DMX values
26	Color Macro1	0	0–7 Safe 8–15 Macro 1-CT3200K 16–23 Macro 2-CT4300K 24–31 Macro 3-CT5600K 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–247 Macro 30 248–255 Random CMY
27	Control1	0	0–19 Normal 20–29 Col any pos 30–39 Col/Gobo any pos 40–59 Lamp On 60–79 Lamp Off 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 7 240–255 Music Control
28	Pan Fine	0	Fine byte of Pan
29	Tilt Fine	0	Fine byte of Tilt

Extended

41 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Cyan Fine	0	Fine byte of Cyan

Extended (continued)

Ch	Function	Default	DMX values
3	Magenta	0	
4	Magenta Fine	0	Fine byte of Magenta
5	Pan	128	
6	Tilt	128	
7	Position MSpeed	0	0–224 max 225–225 min 226–235 BO by Movement 236–255 BO by all Wheel
8	Position Modes	0	0–31 Quick 32–255 Smooth
9	Yellow	0	
10	Yellow Fine	0	Fine byte of Yellow
11	C TO	0	0–254 6500K 255–255 2700K
12	C TO Fine	0	Fine byte of C TO
13	Color Wheel	0	0–13 Open (wheel slot 1) 14–27 Red (wheel slot 2) 28–41 Blue (wheel slot 3) 42–55 Green (wheel slot 4) 56–69 Yellow (wheel slot 5) 70–83 Orange (wheel slot 6) 84–97 Pink (wheel slot 7) 98–111 UV (wheel slot 8) 112–127 CTB (wheel slot 9) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
14	Color Wheel Fine	0	Fine byte of Color Wheel
15	Gobo	0	0–9 Open (wheel slot 1) 10–19 RG11 (wheel slot 2) 20–29 RG12 (wheel slot 3) 30–39 RG13 (wheel slot 4) 40–49 RG14 (wheel slot 5) 50–59 RG15 (wheel slot 6) 60–69 RG16 (wheel slot 7) 70–89 RG11 Shake (wheel slot 2) 90–109 RG12 Shake (wheel slot 3) 110–129 RG13 Shake (wheel slot 4) 130–149 RG14 Shake (wheel slot 5) 150–169 RG15 Shake (wheel slot 6) 170–189 RG16 Shake (wheel slot 7) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<

Extended (continued)

Ch	Function	Default	DMX values
16	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 <<<
17	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
18	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 RG21 (wheel slot 2) 20–29 RG22 (wheel slot 3) 30–39 RG23 (wheel slot 4) 40–49 RG24 (wheel slot 5) 50–59 RG25 (wheel slot 6) 60–69 RG26 (wheel slot 7) 70–89 RG21 Shake (wheel slot 2) 90–109 RG22 Shake (wheel slot 3) 110–129 RG23 Shake (wheel slot 4) 130–149 RG24 Shake (wheel slot 5) 150–169 RG25 Shake (wheel slot 6) 170–189 RG26 Shake (wheel slot 7) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<
19	Gobo Rotation 2	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 2 Fine	0	Fine byte of Gobo Rotation 2
21	Prism	0	0–63 Open (wheel slot 1) 64–127 3 Facet 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

Extended (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 Rotation Fine	0	Fine byte of Prism Rotation
24	Focus	127	
25	Focus Fine	127	Fine byte of Focus
26	Zoom	127	0–126 narrow 127–254 normal 255–255 wide
27	Zoom Fine	127	Fine byte of Zoom
28	Focus1Distance	0	0–15 Safe 16–32 5m 33–47 7m 48–63 10m 64–255 15m
29	Focus1Adjust	128	
30	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 · maxRnd 10 Hz 224–255 Open 4
31	Dimmer	0	0–254 Closed 255–255 Open
32	Dimmer Fine	0	Fine byte of Dimmer
33	Iris	0	0–190 Open 191–191 Closed 192–222 Pulse closing fast 223–223 Pulse closing slow 224–254 Pulse opening slow 255–255 Pulse opening fast
34	Iris Fine	0	Fine byte of Iris
35	Frost1	0	0–127 Open (wheel slot 1) 128–255 Frost (wheel slot 2)
36	Animation Wheel1	0	0–7 Open (wheel slot 1) 8–8 >>> 9–126 >> 127–127 > 128–135 Stop 136–136 < 137–254 << 255–255 <<<
37	Color Mix MSpeed	0	

Extended (continued)

Ch	Function	Default	DMX values
38	Color Macro1	0	0–7 Safe 8–15 Macro 1-CT3200K 16–23 Macro 2-CT4300K 24–31 Macro 3-CT5600K 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–247 Macro 30 248–255 Random CMY
39	Control1	0	0–19 Normal 20–29 Col any pos 30–39 Col/Gobo any pos 40–59 Lamp On 60–79 Lamp Off 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 7 240–255 Music Control
40	Pan Fine	0	Fine byte of Pan
41	Tilt Fine	0	Fine byte of Tilt