Terbly

S620B IP



Manufacturer	**Terbly**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**20, 29 channels**
Beam angle	**1.6°**
Pan range	**540°**
Tilt range	**250°**
Size (W × H × D)	**284 × 511 × 246 mm**
GDTF fixture type	**441DAEFE-4ED9-4FB1-AECE-56…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Service functions

DMX modes

Standard	20 ch
Extended	29 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	Focus	128	
9	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 <<<
10	Cyan	0	
11	Magenta	0	
12	Yellow	0	

Standard (continued)

Ch	Function	Default	DMX values
13	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
14	Color Mix MSpeed	0	

Standard (continued)

Ch	Function	Default	DMX values
15	Gobo	0	0–9 Open (wheel slot 1) 10–16 FG1 (wheel slot 2) 17–23 FG2 (wheel slot 3) 24–30 FG3 (wheel slot 4) 31–37 FG4 (wheel slot 5) 38–44 FG5 (wheel slot 6) 45–51 FG6 (wheel slot 7) 52–58 FG7 (wheel slot 8) 59–65 FG8 (wheel slot 9) 66–72 FG9 (wheel slot 10) 73–79 FG10 (wheel slot 11) 80–86 FG11 (wheel slot 12) 87–93 FG12 (wheel slot 13) 94–100 FG13 (wheel slot 14) 101–107 FG14 (wheel slot 15) 108–114 FG15 (wheel slot 16) 115–119 FG1 Shake (wheel slot 2) 120–124 FG2 Shake (wheel slot 3) 125–129 FG3 Shake (wheel slot 4) 130–134 FG4 Shake (wheel slot 5) 135–139 FG5 Shake (wheel slot 6) 140–144 FG6 Shake (wheel slot 7) 145–149 FG7 Shake (wheel slot 8) 150–154 FG8 Shake (wheel slot 9) 155–159 FG9 Shake (wheel slot 10) 160–164 FG10 Shake (wheel slot 11) 165–169 FG11 Shake (wheel slot 12) 170–174 FG12 Shake (wheel slot 13) 175–179 FG13 Shake (wheel slot 14) 180–184 FG14 Shake (wheel slot 15) 185–189 FG15 Shake (wheel slot 16) 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 4 Linear Prism (wheel slot 2) 64–95 8 Prism (wheel slot 3) 96–127 4+8 Prism 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

29 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	Focus	128	
10	Focus Fine	128	Fine byte of Focus
11	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 <<<
12	Color Wheel Fine	0	Fine byte of Color Wheel
13	Cyan	0	
14	Cyan Fine	0	Fine byte of Cyan
15	Magenta	0	
16	Magenta Fine	0	Fine byte of Magenta
17	Yellow	0	
18	Yellow Fine	0	Fine byte of Yellow

Extended (continued)

Ch	Function	Default	DMX values
19	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
20	Color Mix MSpeed	0	

Extended (continued)

Ch	Function	Default	DMX values
21	Gobo	0	0–9 Open (wheel slot 1) 10–16 FG1 (wheel slot 2) 17–23 FG2 (wheel slot 3) 24–30 FG3 (wheel slot 4) 31–37 FG4 (wheel slot 5) 38–44 FG5 (wheel slot 6) 45–51 FG6 (wheel slot 7) 52–58 FG7 (wheel slot 8) 59–65 FG8 (wheel slot 9) 66–72 FG9 (wheel slot 10) 73–79 FG10 (wheel slot 11) 80–86 FG11 (wheel slot 12) 87–93 FG12 (wheel slot 13) 94–100 FG13 (wheel slot 14) 101–107 FG14 (wheel slot 15) 108–114 FG15 (wheel slot 16) 115–119 FG1 Shake (wheel slot 2) 120–124 FG2 Shake (wheel slot 3) 125–129 FG3 Shake (wheel slot 4) 130–134 FG4 Shake (wheel slot 5) 135–139 FG5 Shake (wheel slot 6) 140–144 FG6 Shake (wheel slot 7) 145–149 FG7 Shake (wheel slot 8) 150–154 FG8 Shake (wheel slot 9) 155–159 FG9 Shake (wheel slot 10) 160–164 FG10 Shake (wheel slot 11) 165–169 FG11 Shake (wheel slot 12) 170–174 FG12 Shake (wheel slot 13) 175–179 FG13 Shake (wheel slot 14) 180–184 FG14 Shake (wheel slot 15) 185–189 FG15 Shake (wheel slot 16) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 < 255–255 <<<
22	Gobo Fine	0	Fine byte of Gobo
23	Prism	0	0–31 Open (wheel slot 1) 32–63 4 Linear Prism (wheel slot 2) 64–95 8 Prism (wheel slot 3) 96–127 4+8 Prism 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
24	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 <<<
25	Prism Rotation Fine	0	Fine byte of Prism Rotation
26	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 <<<
27	Prism Rotation Fine	0	Fine byte of Prism Rotation
28	Frost1	0	0–254 Open 255–255 Frost
29	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