Terbly

G20 Hybrid IP



Manufacturer	**Terbly**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**26, 37 channels**
Beam angle	**2-31°**
Pan range	**540°**
Tilt range	**260°**
Size (W × H × D)	**324 × 571 × 293 mm**
GDTF fixture type	**84F95CA2-F895-44BA-9BAE-77…**

Controls

Focus · Frost · 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	26 ch
Extended	37 ch

Standard

26 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 · maxRnd 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	0–50 Safe 51–150 15m 151–255 20m
11	Focus1Adjust	128	
12	Color Wheel	0	0–15 Open (wheel slot 1) 16–23 Red (wheel slot 2) 24–31 Navy Blue (wheel slot 3) 32–39 Green (wheel slot 4) 40–47 Yellow (wheel slot 5) 48–55 Purple (wheel slot 6) 56–63 Cyan (wheel slot 7) 64–71 Orange (wheel slot 8) 72–79 Manenta (wheel slot 9) 80–87 Light Green (wheel slot 10) 88–95 Light Yellow (wheel slot 11) 96–103 Pink (wheel slot 12) 104–111 CTB (wheel slot 13) 112–119 CTO (wheel slot 14) 120–127 UV (wheel slot 15) 128–128 >>> 129–188 >> 189–189 > 190–193 Stop 194–194 < 195–254 << 255–255 <<<
13	Cyan	0	
14	Magenta	0	
15	Yellow	0	
16	C TO	0	

Standard (continued)

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

Standard (continued)

Ch	Function	Default	DMX values
20	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 <<<
21	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 <<<
22	Animation Wheel1Pos	0	0–7 Open 8–8 >>> 9–126 >> 127–127 > 128–135 Stop 136–136 < 137–254 << 255–255 <<<

Standard (continued)

Ch	Function	Default	DMX values
23	Prism	0	0–31 Open (wheel slot 1) 32–79 8 Prism (wheel slot 2) 80–127 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
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	Frost1	0	0–127 Open 128–255 100% Frost
26	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 7 240–241 Standard 242–243 Linear 244–245 Square 246–247 Inverse Square 248–255 S-Curve

Extended

37 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan

Extended (continued)

Ch	Function	Default	DMX values
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 · maxRnd 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	0	Fine byte of Zoom
11	Focus	128	
12	Focus Fine	0	Fine byte of Focus
13	Focus1Distance	0	0–50 Safe 51–150 15m 151–255 20m
14	Focus1Adjust	128	
15	Color Wheel	0	0–15 Open (wheel slot 1) 16–23 Red (wheel slot 2) 24–31 Navy Blue (wheel slot 3) 32–39 Green (wheel slot 4) 40–47 Yellow (wheel slot 5) 48–55 Purple (wheel slot 6) 56–63 Cyan (wheel slot 7) 64–71 Orange (wheel slot 8) 72–79 Manenta (wheel slot 9) 80–87 Light Green (wheel slot 10) 88–95 Light Yellow (wheel slot 11) 96–103 Pink (wheel slot 12) 104–111 CTB (wheel slot 13) 112–119 CTO (wheel slot 14) 120–127 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
17	Cyan	0	
18	Cyan Fine	0	Fine byte of Cyan
19	Magenta	0	

Extended (continued)

Ch	Function	Default	DMX values
20	Magenta Fine	0	Fine byte of Magenta
21	Yellow	0	
22	Yellow Fine	0	Fine byte of Yellow
23	C TO	0	
24	C TO Fine	0	Fine byte of C TO
25	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
26	Color Mix MSpeed	0	
27	Gobo	0	0–10 Beam mode(Open) (wheel slot 1) 11–21 Spot mode(Open) (wheel slot 2) 22–31 RG1 (wheel slot 3) 32–41 RG2 (wheel slot 4) 42–51 RG3 (wheel slot 5) 52–61 RG4 (wheel slot 6) 62–71 RG5 (wheel slot 7) 72–81 RG6 (wheel slot 8) 82–91 RG7 (wheel slot 9) 92–101 RG8 (wheel slot 10) 102–112 RG1 Shake (wheel slot 3) 113–123 RG2 Shake (wheel slot 4) 124–134 RG3 Shake (wheel slot 5) 135–145 RG4 Shake (wheel slot 6) 146–156 RG5 Shake (wheel slot 7) 157–167 RG6 Shake (wheel slot 8) 168–178 RG7 Shake (wheel slot 9) 179–189 RG8 Shake (wheel slot 10) 190–190 >>> 191–220 >> 221–221 > 222–223 Stop 224–224 < 225–254 << 255–255 <<<

Extended (continued)

Ch	Function	Default	DMX values
28	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 <<<
29	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
30	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 <<<
31	Gobo 2 Fine	0	Fine byte of Gobo 2
32	Animation Wheel1Pos	0	0–7 Open 8–8 >>> 9–126 >> 127–127 > 128–135 Stop 136–136 < 137–254 << 255–255 <<<

Extended (continued)

Ch	Function	Default	DMX values
33	Prism	0	0–31 Open (wheel slot 1) 32–79 8 Prism (wheel slot 2) 80–127 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
34	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 <<<
35	Prism Rotation Fine	0	Fine byte of Prism Rotation
36	Frost1	0	0–127 Open 128–255 100% Frost
37	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 7 240–241 Standard 242–243 Linear 244–245 Square 246–247 Inverse Square 248–255 S-Curve