Terbly

OK370Z-R II



Manufacturer	**Terbly**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**19, 35, 49 channels**
Beam angle	**15-60°**
Pan range	**540°**
Tilt range	**260°**
Heads / cells	**5**
Size (W × H × D)	**362 × 186 × 361 mm**
GDTF fixture type	**F09CE140-ADF0-4E4E-86B5-BF…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

Safety-relevant functions

Service functions · Built-in effect programmes

DMX modes

Basic	19 ch
Standard	35 ch
Extended	49 ch

Basic

19 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Pan	128	
6	Tilt	128	
7	Position MSpeed	0	0–224 max 225–225 min 226–235 BO by Movement 236–255 no function
8	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 1–24.2 Hz 223–223 Random · maxRnd 25 Hz 224–255 Open 4
9	Dimmer	0	0–254 Closed 255–255 Open
10	Zoom	128	0–127 narrow 128–254 normal 255–255 wide
11	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 2700K (wheel slot 2) 10–14 3200K (wheel slot 3) 15–19 4300K (wheel slot 4) 20–24 5600K (wheel slot 5) 25–29 6500K (wheel slot 6) 30–34 8000K (wheel slot 7) 35–39 Red (wheel slot 8) 40–44 Green (wheel slot 9) 45–49 Blue (wheel slot 10) 50–54 Natural White (wheel slot 11) 55–59 Full White (wheel slot 12) 60–64 Yellow (wheel slot 13) 65–69 Magenta (wheel slot 14) 70–74 Cyan (wheel slot 15) 75–79 Salmon (wheel slot 16) 80–84 Turquoise (wheel slot 17) 85–89 Light Green (wheel slot 18) 90–94 Steel Blue (wheel slot 19) 95–99 Orange (wheel slot 20) 100–104 Straw (wheel slot 21) 105–109 Pale Lavander (wheel slot 22) 110–114 Pink (wheel slot 23) 115–119 Red/White (wheel slot 24) 120–124 Green/Red (wheel slot 25) 125–129 Blue/Red (wheel slot 26) 130–134 White/Red (wheel slot 27) 135–139 White/Pink (wheel slot 28) 140–144 White/Turquoise (wheel slot 29) 145–255 Small Red/White (wheel slot 30)
12	Dim	0	0–254 Open 255–255 Closed

Basic (continued)

Ch	Function	Default	DMX values
13	Effect	0	0–14 Safe 15–30 Chase 1 31–46 Chase 2 47–62 Chase 3 63–78 Chase 4 79–94 Chase 5 95–110 Chase 6 111–126 Chase 7 127–142 Chase 8 143–158 Chase 9 159–174 Chase 10 175–190 CHase 11 191–206 Chase 12 207–222 CHase 13 223–238 Chase 14 239–255 Chase 15
14	Effect Speed	0	0–0 >>> 1–124 >> 125–125 > 126–130 Stop 131–131 < 132–254 << 255–255 <<<
15	Effects1Fade	0	
16	Color Calibration Mode	0	0–189 No function 190–254 Edit a new white balance 255–255 Store a new white balance
17	Control1	0	0–79 Normal 80–84 Reset all 85–87 Reset P/T 88–90 NoFeature 91–93 Store white balance enabled 94–96 NoFeature 1 97–99 Reset others 100–119 Program 1 120–139 Program 2 140–159 Program 3 160–179 Program 4 180–199 Program 5 200–219 Program 6 220–239 Program 7 240–255 Music Control
18	Pan Fine	128	Fine byte of Pan
19	Tilt Fine	128	Fine byte of Tilt

Standard

35 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	White	0	
5	Pan	128	
6	Tilt	128	

Standard (continued)

Ch	Function	Default	DMX values
7	Position MSpeed	0	0–224 max 225–225 min 226–235 BO by Movement 236–255 no function
8	Red	0	
9	Green	0	
10	Blue	0	
11	White	0	
12	Red	0	
13	Green	0	
14	Blue	0	
15	White	0	
16	Red	0	
17	Green	0	
18	Blue	0	
19	White	0	
20	Red	0	
21	Green	0	
22	Blue	0	
23	White	0	
24	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 1–24.2 Hz 223–223 Random · maxRnd 25 Hz 224–255 Open 4
25	Dimmer	0	0–254 Closed 255–255 Open
26	Zoom	128	0–127 narrow 128–254 normal 255–255 wide

Standard (continued)

Ch	Function	Default	DMX values
27	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 2700K (wheel slot 2) 10–14 3200K (wheel slot 3) 15–19 4300K (wheel slot 4) 20–24 5600K (wheel slot 5) 25–29 6500K (wheel slot 6) 30–34 8000K (wheel slot 7) 35–39 Red (wheel slot 8) 40–44 Green (wheel slot 9) 45–49 Blue (wheel slot 10) 50–54 Natural White (wheel slot 11) 55–59 Full White (wheel slot 12) 60–64 Yellow (wheel slot 13) 65–69 Magenta (wheel slot 14) 70–74 Cyan (wheel slot 15) 75–79 Salmon (wheel slot 16) 80–84 Turquoise (wheel slot 17) 85–89 Light Green (wheel slot 18) 90–94 Steel Blue (wheel slot 19) 95–99 Orange (wheel slot 20) 100–104 Straw (wheel slot 21) 105–109 Pale Lavander (wheel slot 22) 110–114 Pink (wheel slot 23) 115–119 Red/White (wheel slot 24) 120–124 Green/Red (wheel slot 25) 125–129 Blue/Red (wheel slot 26) 130–134 White/Red (wheel slot 27) 135–139 White/Pink (wheel slot 28) 140–144 White/Turquoise (wheel slot 29) 145–255 Small Red/White (wheel slot 30)
28	Dim	0	0–254 Open 255–255 Closed
29	Effect	0	0–14 Safe 15–30 Chase 1 31–46 Chase 2 47–62 Chase 3 63–78 Chase 4 79–94 Chase 5 95–110 Chase 6 111–126 Chase 7 127–142 Chase 8 143–158 Chase 9 159–174 Chase 10 175–190 CHase 11 191–206 Chase 12 207–222 CHase 13 223–238 Chase 14 239–255 Chase 15
30	Effect Speed	0	0–0 >>> 1–124 >> 125–125 > 126–130 Stop 131–131 < 132–254 << 255–255 <<<
31	Effects1Fade	0	
32	Color Calibration Mode	0	0–189 No function 190–254 Edit a new white balance 255–255 Store a new white balance

Standard (continued)

Ch	Function	Default	DMX values
33	Control1	0	0–79 Normal 80–84 Reset all 85–87 Reset P/T 88–90 NoFeature 91–93 Store white balance enabled 94–96 NoFeature 1 97–99 Reset others 100–119 Program 1 120–139 Program 2 140–159 Program 3 160–179 Program 4 180–199 Program 5 200–219 Program 6 220–239 Program 7 240–255 Music Control
34	Pan Fine	128	Fine byte of Pan
35	Tilt Fine	128	Fine byte of Tilt

Extended

49 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Tilt	128	
6	Pan	128	
7	Position MSpeed	0	0–224 max 225–225 min 226–235 BO by Movement 236–255 no function
8	Blue	255	
9	Blue Fine	255	Fine byte of Blue
10	White	0	
11	White Fine	0	Fine byte of White
12	Red	255	
13	Red Fine	255	Fine byte of Red
14	Green	255	
15	Green Fine	255	Fine byte of Green
16	Blue	255	
17	Blue Fine	255	Fine byte of Blue
18	White	0	
19	White Fine	0	Fine byte of White
20	Red	255	
21	Red Fine	255	Fine byte of Red
22	Green	255	
23	Green Fine	255	Fine byte of Green
24	Blue	255	
25	Blue Fine	255	Fine byte of Blue
26	White	0	

Extended (continued)

Ch	Function	Default	DMX values
27	White Fine	0	Fine byte of White
28	Red	255	
29	Red Fine	255	Fine byte of Red
30	Green	255	
31	Green Fine	255	Fine byte of Green
32	Blue	255	
33	Blue Fine	255	Fine byte of Blue
34	White	0	
35	White Fine	0	Fine byte of White
36	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 1–24.2 Hz 223–223 Random · maxRnd 25 Hz 224–255 Open 4
37	Dimmer	0	0–254 Closed 255–255 Open
38	Dimmer Fine	0	Fine byte of Dimmer
39	Zoom	128	0–127 narrow 128–254 normal 255–255 wide
40	Zoom Fine	128	Fine byte of Zoom
41	Color Wheel	0	0–4 No function (wheel slot 1) 5–9 2700K (wheel slot 2) 10–14 3200K (wheel slot 3) 15–19 4300K (wheel slot 4) 20–24 5600K (wheel slot 5) 25–29 6500K (wheel slot 6) 30–34 8000K (wheel slot 7) 35–39 Red (wheel slot 8) 40–44 Green (wheel slot 9) 45–49 Blue (wheel slot 10) 50–54 Natural White (wheel slot 11) 55–59 Full White (wheel slot 12) 60–64 Yellow (wheel slot 13) 65–69 Magenta (wheel slot 14) 70–74 Cyan (wheel slot 15) 75–79 Salmon (wheel slot 16) 80–84 Turquoise (wheel slot 17) 85–89 Light Green (wheel slot 18) 90–94 Steel Blue (wheel slot 19) 95–99 Orange (wheel slot 20) 100–104 Straw (wheel slot 21) 105–109 Pale Lavander (wheel slot 22) 110–114 Pink (wheel slot 23) 115–119 Red/White (wheel slot 24) 120–124 Green/Red (wheel slot 25) 125–129 Blue/Red (wheel slot 26) 130–134 White/Red (wheel slot 27) 135–139 White/Pink (wheel slot 28) 140–144 White/Turquoise (wheel slot 29) 145–255 Small Red/White (wheel slot 30)

Extended (continued)

Ch	Function	Default	DMX values
42	Dim	0	0–254 Open 255–255 Closed
43	Effect	0	0–14 Safe 15–30 Chase 1 31–46 Chase 2 47–62 Chase 3 63–78 Chase 4 79–94 Chase 5 95–110 Chase 6 111–126 Chase 7 127–142 Chase 8 143–158 Chase 9 159–174 Chase 10 175–190 CHase 11 191–206 Chase 12 207–222 CHase 13 223–238 Chase 14 239–255 Chase 15
44	Effect Speed	0	0–0 >>> 1–124 >> 125–125 > 126–130 Stop 131–131 < 132–254 << 255–255 <<<
45	Effects1Fade	0	
46	Color Calibration Mode	0	0–189 No function 190–254 Edit a new white balance 255–255 Store a new white balance
47	Control1	0	0–79 Normal 80–84 Reset all 85–87 Reset P/T 88–90 NoFeature 91–93 Store white balance enabled 94–96 NoFeature 1 97–99 Reset others 100–119 Program 1 120–139 Program 2 140–159 Program 3 160–179 Program 4 180–199 Program 5 200–219 Program 6 220–239 Program 7 240–255 Music Control
48	Tilt Fine	128	Fine byte of Tilt
49	Pan Fine	128	Fine byte of Pan