Briteq

BT-Orbit



Manufacturer	**Briteq**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**14, 27 channels**
Beam angle	**10-60°**
Pan range	**540°**
Tilt range	**270°**
Heads / cells	**2**
Size (W × H × D)	**324 × 240 × 80 mm**
GDTF fixture type	**32DD41F9-B2F9-422A-8B71-B5…**

Controls

Zoom · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset · Service functions

DMX modes

14+Ch	14 ch
14Ch	14 ch
27Ch	27 ch

14+Ch

14 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	0	0–19 Closed 20–24 Open 2 25–63 Max Strobe 64–64 Min Strobe 70–83 Max Pulse 84–84 Min pulse 90–103 Max Pulse 104–104 Min Pulse 105–109 Open 110–129 Random strobe 130–149 Random open pulse 150–164 Random close pulse 170–189 Burst pulse 190–209 Random burst pulse 210–229 Shutter1StrobeEffect 6 · Sine wave 230–244 Shutter1StrobeEffect 6 · Burst 245–255 Open
2	Dimmer	0	0–254 Closed 255–255 Open
3	Zoom	128	0–254 Wide 255–255 Narrow
4	Pan	127	
5	Pan Fine	255	Fine byte of Pan
6	Tilt	128	
7	Tilt Fine	128	Fine byte of Tilt
8	Control1	0	0–9 No Function 10–14 Reset All 15–39 NoFeature 1 40–44 P/T Speed: Normal 45–49 P/T Speed: Fast 50–54 P/T Speed: Slow 55–79 NoFeature 2 80–84 Fast dimming 85–89 No Function 90–94 Smooth dimming 95–249 NoFeature 3 250–255 Display On

14+Ch (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–9 RGB Color Mixing (wheel slot 1) 10–14 Wheel Slot 1 (wheel slot 2) 15–19 Wheel Slot 2 (wheel slot 3) 20–24 Wheel Slot 3 (wheel slot 4) 25–29 Wheel Slot 4 (wheel slot 5) 30–34 Wheel Slot 5 (wheel slot 6) 35–39 Wheel Slot 6 (wheel slot 7) 40–44 Wheel Slot 7 (wheel slot 8) 45–49 Wheel Slot 8 (wheel slot 9) 50–54 Wheel Slot 9 (wheel slot 10) 55–59 Wheel Slot 10 (wheel slot 11) 60–64 Wheel Slot 11 (wheel slot 12) 65–69 Wheel Slot 12 (wheel slot 13) 70–74 Wheel Slot 13 (wheel slot 14) 75–79 Wheel Slot 14 (wheel slot 15) 80–84 Wheel Slot 15 (wheel slot 16) 85–89 Wheel Slot 16 (wheel slot 17) 90–94 Wheel Slot 17 (wheel slot 18) 95–99 Wheel Slot 18 (wheel slot 19) 100–104 Wheel Slot 19 (wheel slot 20) 105–109 Wheel Slot 20 (wheel slot 21) 110–114 Wheel Slot 21 (wheel slot 22) 115–119 Wheel Slot 22 (wheel slot 23) 120–124 Wheel Slot 23 (wheel slot 24) 125–129 Wheel Slot 24 (wheel slot 25) 130–134 Wheel Slot 25 (wheel slot 26) 135–139 Wheel Slot 26 (wheel slot 27) 140–144 Wheel Slot 27 (wheel slot 28) 145–149 Wheel Slot 28 (wheel slot 29) 150–154 Wheel Slot 29 (wheel slot 30) 155–159 Wheel Slot 30 (wheel slot 31) 160–164 Wheel Slot 31 (wheel slot 32) 165–169 Wheel Slot 32 (wheel slot 33) 170–174 Wheel Slot 33 (wheel slot 34) 175–179 Open (wheel slot 35) 180–180 Spin CW max 181–200 Spin CW <> 201–201 Spin CW min 202–207 Stop 208–208 Spin CCW min 209–228 Spin CCW 229–234 Spin CCW max 235–239 Random color Fast 240–244 Random color medium 245–255 Random color slow
10	Red	0	
11	Green	0	
12	Blue	0	
13	White	0	
14	C TC	0	0–19 CTC Disabled 20–255 CTC

14Ch

14 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	

14Ch (continued)

Ch	Function	Default	DMX values
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	0–9 No Function 10–14 Reset All 15–39 NoFeature 1 40–44 P/T Speed: Normal 45–49 P/T Speed: Fast 50–54 P/T Speed: Slow 55–79 NoFeature 2 80–84 Fast dimming 85–89 No Function 90–94 Smooth dimming 95–249 NoFeature 3 250–255 Display On
7	Dimmer	0	0–254 Closed 255–255 Open
8	Shutter / Strobe	0	0–19 Closed 20–24 Open 2 25–63 Max Strobe 64–64 Min Strobe 70–83 Max Pulse 84–84 Min pulse 90–103 Max Pulse 104–104 Min Pulse 105–109 Open 110–129 Random strobe 130–149 Random open pulse 150–164 Random close pulse 170–189 Burst pulse 190–209 Random burst pulse 210–229 Shutter1StrobeEffect 6 · Sine wave 230–244 Shutter1StrobeEffect 6 · Burst 245–255 Open
9	Red	0	
10	Green	0	
11	Blue	0	
12	White	0	

14Ch (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–9 RGB Color Mixing (wheel slot 1) 10–14 Wheel Slot 1 (wheel slot 2) 15–19 Wheel Slot 2 (wheel slot 3) 20–24 Wheel Slot 3 (wheel slot 4) 25–29 Wheel Slot 4 (wheel slot 5) 30–34 Wheel Slot 5 (wheel slot 6) 35–39 Wheel Slot 6 (wheel slot 7) 40–44 Wheel Slot 7 (wheel slot 8) 45–49 Wheel Slot 8 (wheel slot 9) 50–54 Wheel Slot 9 (wheel slot 10) 55–59 Wheel Slot 10 (wheel slot 11) 60–64 Wheel Slot 11 (wheel slot 12) 65–69 Wheel Slot 12 (wheel slot 13) 70–74 Wheel Slot 13 (wheel slot 14) 75–79 Wheel Slot 14 (wheel slot 15) 80–84 Wheel Slot 15 (wheel slot 16) 85–89 Wheel Slot 16 (wheel slot 17) 90–94 Wheel Slot 17 (wheel slot 18) 95–99 Wheel Slot 18 (wheel slot 19) 100–104 Wheel Slot 19 (wheel slot 20) 105–109 Wheel Slot 20 (wheel slot 21) 110–114 Wheel Slot 21 (wheel slot 22) 115–119 Wheel Slot 22 (wheel slot 23) 120–124 Wheel Slot 23 (wheel slot 24) 125–129 Wheel Slot 24 (wheel slot 25) 130–134 Wheel Slot 25 (wheel slot 26) 135–139 Wheel Slot 26 (wheel slot 27) 140–144 Wheel Slot 27 (wheel slot 28) 145–149 Wheel Slot 28 (wheel slot 29) 150–154 Wheel Slot 29 (wheel slot 30) 155–159 Wheel Slot 30 (wheel slot 31) 160–164 Wheel Slot 31 (wheel slot 32) 165–169 Wheel Slot 32 (wheel slot 33) 170–174 Wheel Slot 33 (wheel slot 34) 175–179 Open (wheel slot 35) 180–180 Spin CW max 181–200 Spin CW <> 201–201 Spin CW min 202–207 Stop 208–208 Spin CCW min 209–228 Spin CCW 229–234 Spin CCW max 235–239 Random color Fast 240–244 Random color medium 245–255 Random color slow
14	Zoom	128	0–254 Wide 255–255 Narrow

27Ch

27 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	Dimmer	0	0–254 Closed 255–255 Open

27Ch (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No Function 10–14 Reset All 15–39 NoFeature 1 40–44 P/T Speed: Normal 45–49 P/T Speed: Fast 50–54 P/T Speed: Slow 55–79 NoFeature 2 80–84 Fast dimming 85–89 No Function 90–94 Smooth dimming 95–249 NoFeature 3 250–255 Display On
7	Dimmer	0	0–254 Closed 255–255 Open
8	Shutter / Strobe	0	0–19 Closed 20–24 Open 2 25–63 Max Strobe 64–64 Min Strobe 70–83 Max Pulse 84–84 Min pulse 90–103 Max Pulse 104–104 Min Pulse 105–109 Open 110–129 Random strobe 130–149 Random open pulse 150–164 Random close pulse 170–189 Burst pulse 190–209 Random burst pulse 210–229 Shutter1StrobeEffect 6 · Sine wave 230–244 Shutter1StrobeEffect 6 · Burst 245–255 Open
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	

27Ch (continued)

Ch	Function	Default	DMX values
24	Color Wheel	0	0–9 RGB Color Mixing (wheel slot 1) 10–14 Wheel Slot 1 (wheel slot 2) 15–19 Wheel Slot 2 (wheel slot 3) 20–24 Wheel Slot 3 (wheel slot 4) 25–29 Wheel Slot 4 (wheel slot 5) 30–34 Wheel Slot 5 (wheel slot 6) 35–39 Wheel Slot 6 (wheel slot 7) 40–44 Wheel Slot 7 (wheel slot 8) 45–49 Wheel Slot 8 (wheel slot 9) 50–54 Wheel Slot 9 (wheel slot 10) 55–59 Wheel Slot 10 (wheel slot 11) 60–64 Wheel Slot 11 (wheel slot 12) 65–69 Wheel Slot 12 (wheel slot 13) 70–74 Wheel Slot 13 (wheel slot 14) 75–79 Wheel Slot 14 (wheel slot 15) 80–84 Wheel Slot 15 (wheel slot 16) 85–89 Wheel Slot 16 (wheel slot 17) 90–94 Wheel Slot 17 (wheel slot 18) 95–99 Wheel Slot 18 (wheel slot 19) 100–104 Wheel Slot 19 (wheel slot 20) 105–109 Wheel Slot 20 (wheel slot 21) 110–114 Wheel Slot 21 (wheel slot 22) 115–119 Wheel Slot 22 (wheel slot 23) 120–124 Wheel Slot 23 (wheel slot 24) 125–129 Wheel Slot 24 (wheel slot 25) 130–134 Wheel Slot 25 (wheel slot 26) 135–139 Wheel Slot 26 (wheel slot 27) 140–144 Wheel Slot 27 (wheel slot 28) 145–149 Wheel Slot 28 (wheel slot 29) 150–154 Wheel Slot 29 (wheel slot 30) 155–159 Wheel Slot 30 (wheel slot 31) 160–164 Wheel Slot 31 (wheel slot 32) 165–169 Wheel Slot 32 (wheel slot 33) 170–174 Wheel Slot 33 (wheel slot 34) 175–179 Open (wheel slot 35) 180–180 Spin CW max 181–200 Spin CW <> 201–201 Spin CW min 202–207 Stop 208–208 Spin CCW min 209–228 Spin CCW 229–234 Spin CCW max 235–239 Random color Fast 240–244 Random color medium 245–255 Random color slow
25	Color Macro1	0	0–7 All leds 8–22 Dot 23–37 Ring 1 38–52 Ring 2 53–67 Dot + Ring 1 68–82 Dot + Ring 2 83–97 Ring 1 + Ring 2 98–112 All leds 113–127 Macro 1 128–142 Macro 2 143–157 Macro 3 158–172 Macro 4 173–187 Macro 5 188–202 Macro 6 203–217 Macro 7 218–232 Macro 8 233–247 Macro 9 248–255 Macro 10

27Ch (continued)

Ch	Function	Default	DMX values
26	Color Macro1Rate	128	0–254 Max rate 255–255 Min rate
27	Zoom	128	0–254 Wide 255–255 Narrow