Robe Lighting

Robin BMFL Wash



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**21, 25 channels**
Beam angle	**5-55°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**308 × 623 × 230 mm**
GDTF fixture type	**D7A0726B-9E75-44ED-9A05-29…**

Controls

Frost · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed

Safety-relevant functions

Lamp on and off · Fixture reset · Service functions

DMX modes

Mode 2 - Reduced 8 bit	21 ch
Mode 1 - Standard 16 bit	25 ch

Mode 2 - Reduced 8 bit

21 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	0–0 Standard mode 1–1 Max Speed Mode 2–254 Speed/Time max to min 255–255 Min Speed Mode
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–34 NoFeature 1 35–39 Lamp power 1500W 40–44 Lamp power 1700W 45–49 Quiet mode 50–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–64 Fans mode Auto 65–69 Fans mode High 70–74 Parking position ON 75–79 Parking position OFF 80–89 NoFeature 2 90–94 Pan/Tilt speed mode 95–99 Pan/Tilt time mode 100–104 Blackout while pan/tilt moving 105–109 Disabled blackout while pan/tilt moving 110–114 Blackout while colour wheels moving 115–119 Disabled blackout while colour wheels moving 120–129 NoFeature 3 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 NoFeature 4 170–179 Dimmer/Shutter reset 180–189 Zoom/frost 190–199 NoFeature 200–209 Total reset 210–229 NoFeature 5 230–239 Lamp Off 240–255 NoFeature 6

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–8 Open/white - continual (wheel slot 1) 9–27 Deep red - continual (wheel slot 2) 28–46 Deep blue - continual (wheel slot 3) 47–63 Orange - continual (wheel slot 4) 64–82 Green - continual (wheel slot 5) 83–99 Magenta - continual (wheel slot 6) 100–120 Congo blue (UV) - continual (wheel slot 7) 121–129 White - continual (wheel slot 1) 130–139 Deep red - step (wheel slot 2) 140–149 Deep blue - step (wheel slot 3) 150–159 Orange - step (wheel slot 4) 160–169 Green - step (wheel slot 5) 170–179 Magenta - step (wheel slot 6) 180–189 Congo blue - step (wheel slot 7) 190–211 Fast to slow - Fast 212–215 Fast to slow - Slow 216–217 No rotation middle 218–240 Slow to fast - Slow 241–243 Slow to fast - Fast 244–249 Random colour selection by audio control 250–254 fast 255–255 slow
8	Color Wheel 2	0	0–8 Open/white - continual (wheel slot 1) 9–27 Pink - continual (wheel slot 2) 28–46 Lavender - continual (wheel slot 3) 47–63 Laser green - continual (wheel slot 4) 64–82 CTB - continual (wheel slot 5) 83–99 Minus green - continual (wheel slot 6) 100–120 Minus 1/2 green - continual (wheel slot 7) 121–129 White - continual (wheel slot 1) 130–139 Pink - step (wheel slot 2) 140–149 Lavender - step (wheel slot 3) 150–159 Laser green - step (wheel slot 4) 160–169 CTB - step (wheel slot 5) 170–179 Minus green - step (wheel slot 6) 180–189 Minus 1/2 green - step (wheel slot 7) 190–211 Fast to slow - Fast 212–215 Fast to slow - Slow 216–217 No rotation middle 218–240 Slow to fast - Slow 241–243 Slow to fast - Fast 244–249 Random colour selection by audio control 250–254 fast 255–255 slow
9	Cyan	0	
10	Magenta	0	
11	Yellow	0	
12	C TO	0	0–254 Min CTO 6000K 255–255 Max CTO 2700K
13	Color Macro1	0	
14	Effects1Fade	0	
15	Color Mix MSpeed	0	
16	Zoom MSpeed	0	
17	Frost1	0	0–254 Frost 0% 255–255 Frost 100%
18	Zoom	128	0–254 Zoom max 255–255 Zoom min
19	Edge Color Correction	128	

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
20	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Fast 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Slow 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
21	Dimmer	0	

Mode 1 - Standard 16 bit

25 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	0–0 Standard mode 1–1 Max Speed Mode 2–254 Speed/Time max to min 255–255 Min Speed Mode
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–34 NoFeature 1 35–39 Lamp power 1500W 40–44 Lamp power 1700W 45–49 Quiet mode 50–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–64 Fans mode Auto 65–69 Fans mode High 70–74 Parking position ON 75–79 Parking position OFF 80–89 NoFeature 2 90–94 Pan/Tilt speed mode 95–99 Pan/Tilt time mode 100–104 Blackout while pan/tilt moving 105–109 Disabled blackout while pan/tilt moving 110–114 Blackout while colour wheels moving 115–119 Disabled blackout while colour wheels moving 120–129 NoFeature 3 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 NoFeature 4 170–179 Dimmer/Shutter reset 180–189 Zoom/frost 190–199 NoFeature 200–209 Total reset 210–229 NoFeature 5 230–239 Lamp Off 240–255 NoFeature 6

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–7 Open/white - continual (wheel slot 1) 8–26 Deep red - continual (wheel slot 2) 27–45 Deep blue - continual (wheel slot 3) 46–62 Orange - continual (wheel slot 4) 63–81 Green - continual (wheel slot 5) 82–98 Magenta - continual (wheel slot 6) 99–119 Congo blue (UV) - continual (wheel slot 7) 120–129 White - continual (wheel slot 1) 130–139 Deep red - step (wheel slot 2) 140–149 Deep blue - step (wheel slot 3) 150–159 Orange - step (wheel slot 4) 160–169 Green - step (wheel slot 5) 170–179 Magenta - step (wheel slot 6) 180–189 Congo blue - step (wheel slot 7) 190–211 Fast to slow - Fast 212–215 Fast to slow - Slow 216–217 No rotation middle 218–240 Slow to fast - Slow 241–243 Slow to fast - Fast 244–249 Random colour selection by audio control 250–254 fast 255–255 slow
8	Color Wheel Fine	0	Fine byte of Color Wheel
9	Color Wheel 2	0	0–7 Open/white - continual (wheel slot 1) 8–26 Pink - continual (wheel slot 2) 27–45 Lavender - continual (wheel slot 3) 46–62 Laser green - continual (wheel slot 4) 63–81 CTB - continual (wheel slot 5) 82–98 Minus green - continual (wheel slot 6) 99–119 Minus 1/2 green - continual (wheel slot 7) 120–129 White - continual (wheel slot 1) 130–139 Pink - step (wheel slot 2) 140–149 Lavender - step (wheel slot 3) 150–159 Laser green - step (wheel slot 4) 160–169 CTB - step (wheel slot 5) 170–179 Minus green - step (wheel slot 6) 180–189 Minus 1/2 green - step (wheel slot 7) 190–211 Fast to slow - Fast 212–215 Fast to slow - Slow 216–217 No rotation middle 218–240 Slow to fast - Slow 241–243 Slow to fast - Fast 244–249 Random colour selection by audio control 250–254 fast 255–255 slow
10	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
11	Cyan	0	
12	Magenta	0	
13	Yellow	0	
14	C TO	0	0–254 Min CTO 6000K 255–255 Max CTO 2700K
15	Color Macro1	0	
16	Effects1Fade	0	
17	Color Mix MSpeed	0	
18	Zoom MSpeed	0	
19	Frost1	0	0–254 Frost 0% 255–255 Frost 100%

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
20	Zoom	128	0–254 Zoom max 255–255 Zoom min
21	Zoom Fine	0	Fine byte of Zoom
22	Edge Color Correction	128	
23	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Fast 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Slow 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
24	Dimmer	0	
25	Dimmer Fine	0	Fine byte of Dimmer