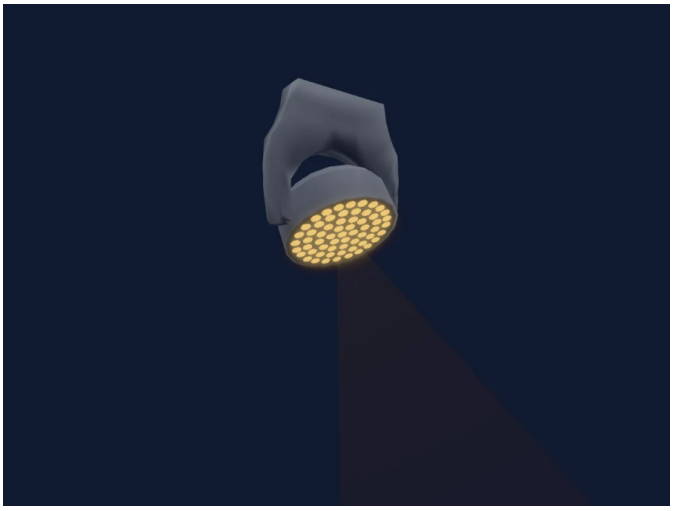
Robe Lighting

Robin Actor 12



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**5, 10, 16, 40, 45 channels**
Beam angle	**8-63°**
Tilt range	**230°**
Heads / cells	**4**
Size (W × H × D)	**354 × 167 × 344 mm**
GDTF fixture type	**CDA9D224-F055-4E9A-A7BC-95…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control

Safety-relevant functions

Fixture reset

DMX modes

mode 4 - wash mode	5 ch
mode 3 - all zones 8 bit	10 ch
mode 2 - all zones 16 bit	16 ch
mode 1 - zone mode	40 ch
mode 5 - zone mode 2	40 ch
mode 6 - LEDWash compatible	45 ch

mode 4 - wash mode

5 channels

Ch	Function	Default	DMX values
1	Control1	0	0–9 NoFeature 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW color mixing mode 40–49 CMY color mixing mode 50–169 NoFeature 2 170–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
2	Color Macro1	0	
3	Zoom	127	0–254 narrow 255–255 wide
4	Shutter / Strobe	255	0–31 Shutter closed 32–59 StrobeZone 3 · Slow to fast - Slow 0.303–17.6 Hz 60–63 StrobeZone 3 · Slow to fast - Fast 18.3–20.2 Hz 64–91 StrobeAllZones 1 · Slow to fast - Slow 0.303–17.6 Hz 92–95 StrobeAllZones 1 · Slow to fast - Fast 18.3–20.2 Hz 96–111 StrobeEffects · Zone + Rainbow effects slow to fast ... 112–127 StrobeEffects · Zone + Rainbow effects fast to slow... 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–175 Random zone effect slow to fast 176–191 Random zone + strobe effect slow to fast 192–223 Random strobe slow to fast (all zones) 224–255 Shutter open
5	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)

mode 3 - all zones 8 bit

10 channels

Ch	Function	Default	DMX values
1	Control1	0	0–9 NoFeature 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW color mixing mode 40–49 CMY color mixing mode 50–169 NoFeature 2 170–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
2	Red	255	
3	Green	255	
4	Blue	255	
5	White	255	
6	C TO	0	0–254 20000K 255–255 2700K

mode 3 - all zones 8 bit (continued)

Ch	Function	Default	DMX values
7	Color Macro1	0	
8	Zoom	127	0–254 narrow 255–255 wide
9	Shutter / Strobe	255	0–31 Shutter closed 32–59 StrobeZone 3 · Slow to fast - Slow 0.303–17.6 Hz 60–63 StrobeZone 3 · Slow to fast - Fast 18.3–20.2 Hz 64–91 StrobeAllZones 1 · Slow to fast - Slow 0.303–17.6 Hz 92–95 StrobeAllZones 1 · Slow to fast - Fast 18.3–20.2 Hz 96–111 StrobeEffects · Zone + Rainbow effects slow to fast ... 112–127 StrobeEffects · Zone + Rainbow effects fast to slow... 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–175 Random zone effect slow to fast 176–191 Random zone + strobe effect slow to fast 192–223 Random strobe slow to fast (all zones) 224–255 Shutter open
10	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)

mode 2 - all zones 16 bit

16 channels

Ch	Function	Default	DMX values
1	Control1	0	0–9 NoFeature 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW color mixing mode 40–49 CMY color mixing mode 50–169 NoFeature 2 170–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
2	Red	255	
3	Red Fine	255	Fine byte of Red
4	Green	255	
5	Green Fine	255	Fine byte of Green
6	Blue	255	
7	Blue Fine	255	Fine byte of Blue
8	White	255	
9	White Fine	255	Fine byte of White
10	C TO	0	0–254 20000K 255–255 2700K
11	Color Macro1	0	
12	Zoom	128	0–254 narrow 255–255 wide
13	Zoom Fine	0	Fine byte of Zoom

mode 2 - all zones 16 bit (continued)

Ch	Function	Default	DMX values
14	Shutter / Strobe	255	0–31 Shutter closed 32–59 StrobeZone 3 · Slow to fast - Slow 0.303–17.6 Hz 60–63 StrobeZone 3 · Slow to fast - Fast 18.3–20.2 Hz 64–91 StrobeAllZones 1 · Slow to fast - Slow 0.303–17.6 Hz 92–95 StrobeAllZones 1 · Slow to fast - Fast 18.3–20.2 Hz 96–111 StrobeEffects · Zone + Rainbow effects slow to fast ... 112–127 StrobeEffects · Zone + Rainbow effects fast to slow... 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–175 Random zone effect slow to fast 176–191 Random zone + strobe effect slow to fast 192–223 Random strobe slow to fast (all zones) 224–255 Shutter open
15	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
16	Dimmer Fine	0	Fine byte of Dimmer

mode 1 - zone mode

40 channels

Ch	Function	Default	DMX values
1	Control1	0	0–9 NoFeature 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW color mixing mode 40–49 CMY color mixing mode 50–169 NoFeature 2 170–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
2	Red	255	
3	Red Fine	255	Fine byte of Red
4	Green	255	
5	Green Fine	255	Fine byte of Green
6	Blue	255	
7	Blue Fine	255	Fine byte of Blue
8	White	255	
9	White Fine	255	Fine byte of White
10	Red	255	
11	Red Fine	255	Fine byte of Red
12	Green	255	
13	Green Fine	255	Fine byte of Green
14	Blue	255	
15	Blue Fine	255	Fine byte of Blue
16	White	255	
17	White Fine	255	Fine byte of White
18	Red	255	

mode 1 - zone mode (continued)

Ch	Function	Default	DMX values
19	Red Fine	255	Fine byte of Red
20	Green	255	
21	Green Fine	255	Fine byte of Green
22	Blue	255	
23	Blue Fine	255	Fine byte of Blue
24	White	255	
25	White Fine	255	Fine byte of White
26	Red	255	
27	Red Fine	255	Fine byte of Red
28	Green	255	
29	Green Fine	255	Fine byte of Green
30	Blue	255	
31	Blue Fine	255	Fine byte of Blue
32	White	255	
33	White Fine	255	Fine byte of White
34	C TO	0	0–254 20000K 255–255 2700K
35	Color Macro1	0	
36	Zoom	128	0–254 narrow 255–255 wide
37	Zoom Fine	0	Fine byte of Zoom
38	Shutter / Strobe	255	0–31 Shutter closed 32–59 StrobeZone 3 · Slow to fast - Slow 0.303–17.6 Hz 60–63 StrobeZone 3 · Slow to fast - Fast 18.3–20.2 Hz 64–91 StrobeAllZones 1 · Slow to fast - Slow 0.303–17.6 Hz 92–95 StrobeAllZones 1 · Slow to fast - Fast 18.3–20.2 Hz 96–111 StrobeEffects · Zone + Rainbow effects slow to fast ... 112–127 StrobeEffects · Zone + Rainbow effects fast to slow... 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–175 Random zone effect slow to fast 176–191 Random zone + strobe effect slow to fast 192–223 Random strobe slow to fast (all zones) 224–255 Shutter open
39	Dimmer	0	0–254 Closed 255–255 Open
40	Dimmer Fine	0	Fine byte of Dimmer

mode 5 - zone mode 2

40 channels

Ch	Function	Default	DMX values

mode 5 - zone mode 2 (continued)

Ch	Function	Default	DMX values
1	Control1	0	0–9 NoFeature 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW color mixing mode 40–49 CMY color mixing mode 50–169 NoFeature 2 170–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
2	Zoom	128	0–254 narrow 255–255 wide
3	Zoom Fine	0	Fine byte of Zoom
4	Shutter / Strobe	255	0–31 Shutter closed 32–59 StrobeZone 3 · Slow to fast - Slow 0.303–17.6 Hz 60–63 StrobeZone 3 · Slow to fast - Fast 18.3–20.2 Hz 64–91 StrobeAllZones 1 · Slow to fast - Slow 0.303–17.6 Hz 92–95 StrobeAllZones 1 · Slow to fast - Fast 18.3–20.2 Hz 96–111 StrobeEffects · Zone + Rainbow effects slow to fast ... 112–127 StrobeEffects · Zone + Rainbow effects fast to slow... 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–175 Random zone effect slow to fast 176–191 Random zone + strobe effect slow to fast 192–223 Random strobe slow to fast (all zones) 224–255 Shutter open
5	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
6	Dimmer Fine	0	Fine byte of Dimmer
7	C TO	0	0–254 20000K 255–255 2700K
8	Color Macro1	0	
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Red	255	
18	Red Fine	255	Fine byte of Red
19	Green	255	
20	Green Fine	255	Fine byte of Green
21	Blue	255	
22	Blue Fine	255	Fine byte of Blue
23	White	255	
24	White Fine	255	Fine byte of White

mode 5 - zone mode 2 (continued)

Ch	Function	Default	DMX values
25	Red	255	
26	Red Fine	255	Fine byte of Red
27	Green	255	
28	Green Fine	255	Fine byte of Green
29	Blue	255	
30	Blue Fine	255	Fine byte of Blue
31	White	255	
32	White Fine	255	Fine byte of White
33	Red	255	
34	Red Fine	255	Fine byte of Red
35	Green	255	
36	Green Fine	255	Fine byte of Green
37	Blue	255	
38	Blue Fine	255	Fine byte of Blue
39	White	255	
40	White Fine	255	Fine byte of White

mode 6 - LEDWash compatible

45 channels

Ch	Function	Default	DMX values
1	Reserved 1	0	
2	Reserved 2	0	
3	Reserved 3	0	
4	Reserved 4	0	
5	Reserved 5	0	
6	Control1	0	0–9 NoFeature 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW color mixing mode 40–49 CMY color mixing mode 50–169 NoFeature 2 170–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	White	255	
14	White Fine	255	Fine byte of White
15	Red	255	
16	Red Fine	255	Fine byte of Red

mode 6 - LEDWash compatible (continued)

Ch	Function	Default	DMX values
17	Green	255	
18	Green Fine	255	Fine byte of Green
19	Blue	255	
20	Blue Fine	255	Fine byte of Blue
21	White	255	
22	White Fine	255	Fine byte of White
23	Red	255	
24	Red Fine	255	Fine byte of Red
25	Green	255	
26	Green Fine	255	Fine byte of Green
27	Blue	255	
28	Blue Fine	255	Fine byte of Blue
29	White	255	
30	White Fine	255	Fine byte of White
31	Red	255	
32	Red Fine	255	Fine byte of Red
33	Green	255	
34	Green Fine	255	Fine byte of Green
35	Blue	255	
36	Blue Fine	255	Fine byte of Blue
37	White	255	
38	White Fine	255	Fine byte of White
39	C TO	0	0–254 20000K 255–255 2700K
40	Color Macro1	0	
41	Zoom	127	0–254 narrow 255–255 wide
42	Zoom Fine	255	Fine byte of Zoom
43	Shutter / Strobe	255	0–31 Shutter closed 32–59 StrobeZone 3 · Slow to fast - Slow 0.303–17.6 Hz 60–63 StrobeZone 3 · Slow to fast - Fast 18.3–20.2 Hz 64–91 StrobeAllZones 1 · Slow to fast - Slow 0.303–17.6 Hz 92–95 StrobeAllZones 1 · Slow to fast - Fast 18.3–20.2 Hz 96–111 StrobeEffects · Zone + Rainbow effects slow to fast ... 112–127 StrobeEffects · Zone + Rainbow effects fast to slow... 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–175 Random zone effect slow to fast 176–191 Random zone + strobe effect slow to fast 192–223 Random strobe slow to fast (all zones) 224–255 Shutter open
44	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
45	Dimmer Fine	0	Fine byte of Dimmer