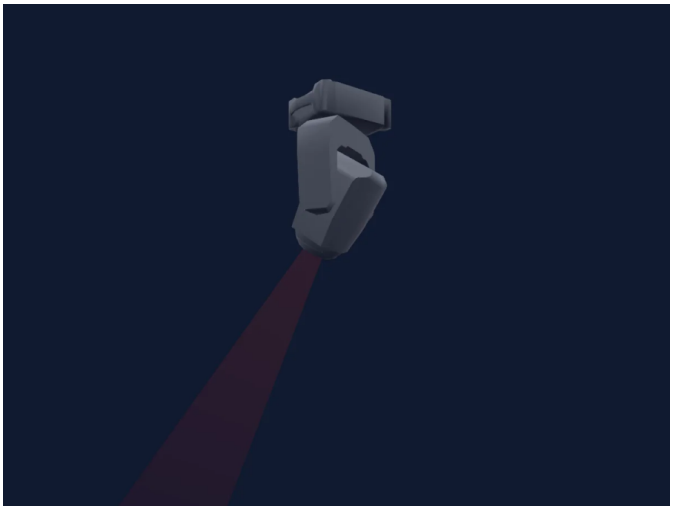
Robe Lighting

Robin Cuete



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**29 channels**
Beam angle	**16°**
Pan range	**540°**
Tilt range	**275°**
Size (W × H × D)	**231 × 314 × 191 mm**
GDTF fixture type	**EE1EA2A4-2DB0-4E69-9F64-DB...**

Controls

Focus · Frost · Prism · Prism rotation · CMY colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Mode 1 - Standard — 29 ch

Mode 1 - Standard

29 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 2–255 Speed/Time max to min
6	Control1	0	0–19 No function 20–24 Display On 25–29 Display Off 30–44 NoFeature 3 45–54 Dimmer curve Square law 55–59 Dimmer curve Linear 60–64 Fan mode Auto 65–69 Fan mode High 70–74 Fan mode Quiet 75–89 NoFeature 6 90–94 PT mode Speed 95–99 PT mode Time 100–104 BO while PAN TILT moving: ON 105–109 BO while PAN TILT moving: OFF 110–114 BO while Colour moving: ON 115–119 BO while Colour moving: OFF 120–124 BO while Gobo wheel moving: ON 125–129 BO while Gobo wheel moving: OFF 130–139 Total Fixture reset (except pan/tilt) 140–149 PositionReset 150–159 Color system reset 160–169 Gobo wheel reset 170–179 NoFeature 13 180–189 Focus Frost Prism reset 190–199 Iris and Framing reset 200–209 Total reset 210–218 NoFeature 17 219–220 Gobo indexing Maximum speed and shortcut 221–222 Gobo indexing Follow speed and direction 223–224 Gobo indexing Maximum speed and follow directi… 225–229 RoboSpot enabled 230–234 RoboSpot disabled except faders and PT 235–239 RoboSpot fully disabled 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
7	L EDFrequency	10	0–4 PWM frequency from Display menu 5–9 300 Hz 10–14 600 Hz 15–19 1200 Hz 20–24 2400 Hz 25–29 High 30–255 NoFeature
8	L EDFrequency Adjust	128	

Mode 1 - Standard (continued)

Ch	Function	Default	DMX values
9	Intensity Indication	0	0–10 No function 11–20 Indication of drop of max light intensity 21–30 Set drop by 6-10% (RED) 31–40 Set drop by 11-15% (Green) 41–50 Set drop by 16-20% (BLUE) 51–60 Set drop by 21-25% (CYAN) 61–70 Set drop by 26-30% (MAGENTA) 71–80 Set drop by 31-35% (YELLOW) 81–90 Set drop by 36-40% (ORANGE) 91–100 Original intensity (WHITE) 101–255 NoFeature
10	Color Wheel	0	0–3 Open/white - continual (wheel slot 1) 4–12 Deep red - continual (wheel slot 2) 13–21 Deep blue - continual (wheel slot 3) 22–31 Yellow - continual (wheel slot 4) 32–40 Light green - continual (wheel slot 5) 41–49 Magenta - continual (wheel slot 6) 50–58 Lavender - continual (wheel slot 7) 59–67 Pink - continual (wheel slot 8) 68–76 Dark green - continual (wheel slot 9) 77–85 CTO 2700K - continual (wheel slot 10) 86–95 Blue - continual (wheel slot 11) 96–104 Orange - continual (wheel slot 12) 105–113 CTO 3200K - continual (wheel slot 13) 114–122 UV - continual (wheel slot 14) 123–127 White - continual (wheel slot 1) 128–129 White - step (wheel slot 1) 130–134 Deep red - step (wheel slot 2) 135–138 Deep blue - step (wheel slot 3) 139–143 Yellow - step (wheel slot 4) 144–147 Light green - step (wheel slot 5) 148–152 Magenta - step (wheel slot 6) 153–157 Lavender - step (wheel slot 7) 158–161 Pink - step (wheel slot 8) 162–166 Dark green - step (wheel slot 9) 167–171 CTO 2700K - step (wheel slot 10) 172–176 Blue - step (wheel slot 11) 177–180 Orange - step (wheel slot 12) 181–185 CTO 3200K - step (wheel slot 13) 186–189 UV - step (wheel slot 14) 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 color selection by audio control 250–255 Auto random color selection from fast to slow
11	Color Wheel Fine	0	Fine byte of Color Wheel
12	Cyan	0	
13	Magenta	0	
14	Yellow	0	
15	Color Macro1	0	
16	Color Mix MTime	0	0–0 Function is off 1–254 Time min 255–255 Time max
17	Frost1MSpeed	0	0–0 No function 1–254 Focus/Frost/Prism time min 255–255 Focus/Frost/Prism time max

Mode 1 - Standard (continued)

Ch	Function	Default	DMX values
18	Gobo	0	0–9 Open/Hole (wheel slot 1) 10–17 Gobo 1 (wheel slot 2) 18–25 Gobo 2 (wheel slot 3) 26–33 Gobo 3 (wheel slot 4) 34–41 Gobo 4 (wheel slot 5) 42–49 Gobo 5 (wheel slot 6) 50–57 Gobo 6 (wheel slot 7) 58–65 Beam reducer 1 (wheel slot 8) 66–73 Beam reducer 2 (wheel slot 9) 74–81 Beam reducer 3 (wheel slot 10) 82–89 Beam reducer 4 (wheel slot 11) 90–100 Gobo 1 (wheel slot 2) 101–111 Gobo 2 (wheel slot 3) 112–122 Gobo 3 (wheel slot 4) 123–133 Gobo 4 (wheel slot 5) 134–144 Gobo 5 (wheel slot 6) 145–155 Gobo 6 (wheel slot 7) 156–166 Beam reducer 1 (wheel slot 8) 167–177 Beam reducer 2 (wheel slot 9) 178–188 Beam reducer 3 (wheel slot 10) 189–199 Beam reducer (wheel slot 11) 200–201 Open/Hole 202–218 Fast to slow - Fast 219–222 Fast to slow - Slow 223–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–250 Auto random gobo selection fast 251–254 Auto random gobo selection from fast to slow 255–255 Auto random gobo selection slow

Mode 1 - Standard (continued)

Ch	Function	Default	DMX values
19	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–7 Gobo1 - Indexing (wheel slot 2) 8–10 Gobo2 - Indexing (wheel slot 3) 11–13 Gobo3 - Indexing (wheel slot 4) 14–16 Gobo4 - Indexing (wheel slot 5) 17–19 Gobo5 - Indexing (wheel slot 6) 20–22 Gobo6 - Indexing (wheel slot 7) 23–25 Gobo7 - Indexing (wheel slot 8) 26–28 Gobo8 - Indexing (wheel slot 9) 29–31 Gobo9 - Indexing (wheel slot 10) 32–34 Gobo1 - Rotating (wheel slot 2) 35–37 Gobo2 - Rotating (wheel slot 3) 38–40 Gobo3 - Rotating (wheel slot 4) 41–43 Gobo4 - Rotating (wheel slot 5) 44–46 Gobo5 - Rotating (wheel slot 6) 47–49 Gobo6 - Rotating (wheel slot 7) 50–52 Gobo7 - Rotating (wheel slot 8) 53–55 Gobo8 - Rotating (wheel slot 9) 56–59 Gobo9 - Rotating (wheel slot 10) 60–67 Gobo1 Shake - Indexing (wheel slot 2) 68–75 Gobo2 Shake - Indexing (wheel slot 3) 76–83 Gobo3 Shake - Indexing (wheel slot 4) 84–91 Gobo4 Shake - Indexing (wheel slot 5) 92–99 Gobo5 Shake - Indexing (wheel slot 6) 100–107 Gobo6 Shake - Indexing (wheel slot 7) 108–115 Gobo7 Shake - Indexing (wheel slot 8) 116–123 Gobo8 Shake - Indexing (wheel slot 9) 124–129 Gobo9 Shake - Indexing (wheel slot 10) 130–137 Gobo1 Shake - Rotating (wheel slot 2) 138–145 Gobo2 Shake - Rotating (wheel slot 3) 146–153 Gobo3 Shake - Rotating (wheel slot 4) 154–161 Gobo4 Shake - Rotating (wheel slot 5) 162–169 Gobo5 Shake - Rotating (wheel slot 6) 170–177 Gobo6 Shake - Rotating (wheel slot 7) 178–185 Gobo7 Shake - Rotating (wheel slot 8) 186–193 Gobo8 Shake - Rotating (wheel slot 9) 194–199 Gobo9 Shake - Rotating (wheel slot 10) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–221 Fast to slow - Slow 222–223 No rotation middle 224–242 Slow to fast - Slow 243–243 Slow to fast - Fast 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
20	Gobo Rotation 2	128	0–0 min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 center 129–231 Slow to fast - Slow 232–255 Slow to fast - Fast
21	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 1 - Standard (continued)

Ch	Function	Default	DMX values
22	Prism	0	0–19 Open/hole (wheel slot 1) 20–127 8-facet rotating prism (wheel slot 2) 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
23	Prism Rotation	128	0–0 No rotation 1–124 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 No rotation middle 129–232 Slow to fast - Slow 233–255 Slow to fast - Fast
24	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 100% frost 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow
25	Focus	128	
26	Focus Fine	0	Fine byte of Focus
27	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 Strobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 Strobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–134 StrobePulseOpen · Slow to fast 1/7 0.1–0.26 Hz 135–140 StrobePulseOpen · Slow to fast 4/7 0.287–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–149 StrobePulseClose · Fast to slow 1/7 0.5–0.367 Hz 150–155 StrobePulseClose · Fast to slow 4/7 0.34–0.207 Hz 156–159 StrobePulseClose · Fast to slow 7/7 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
28	Dimmer	0	0–254 Closed 255–255 Open
29	Dimmer Fine	0	Fine byte of Dimmer