Robe Lighting

Robin Painte Fresnel



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**1**
DMX footprint	**33 channels**
Beam angle	**7.3-47.1°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**280 × 419 × 231 mm**
GDTF fixture type	**CB961B97-2D08-4674-BBEF-D8…**

Controls

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

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Mode 1 - Standard 16 bit — 33 ch

Mode 1 - Standard 16 bit

33 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 1–254 max 255–255 min
6	Control1	0	0–9 NoFeature 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–31 Fans ON at blackout 32–33 Fans OFF at blackout 34–35 Dimmer curve: Super square law 36–39 NoFeature 1 40–44 PT mode: Speed 45–49 PT mode: Time 50–54 BO while PAN TILT moving: ON 55–59 BO while PAN TILT moving: OFF 60–69 Reserved 70–74 BO while color wheels moving: ON 75–79 BO while color wheels moving: OFF 80–84 Fans mode: Auto 85–89 Fans mode: High 90–109 NoFeature 2 110–114 Dimmer curve: Square law 115–119 Dimmer curve: Linear 120–124 Parking position ON 125–129 Parking position OFF 130–139 Fixture reset (except pan/tilt) 140–149 PositionReset 150–159 Color system reset 160–169 NoFeature 3 170–174 Pan reset 175–179 Tilt reset 180–189 Zoom/focus/frost reset 190–199 Barndoors/scrim reset 200–209 Total fixture reset 210–239 NoFeature 4 240–240 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 16 bit (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	0–5 Open/white - continual (wheel slot 1) 6–17 Deep red (wheel slot 2) 18–31 Deep blue (wheel slot 3) 32–44 Light green (wheel slot 4) 45–56 Lavender (wheel slot 5) 57–69 Orange (wheel slot 6) 70–82 Multicolor (wheel slot 7) 83–95 Filter CRI 90 (wheel slot 8) 96–108 CTO 3200K (wheel slot 9) 109–120 Congo blue (wheel slot 10) 121–127 Open (wheel slot 1) 128–129 Open - step (wheel slot 1) 130–136 Deep red - step (wheel slot 2) 137–142 Deep blue - step (wheel slot 3) 143–149 Light green - step (wheel slot 4) 150–155 Lavender - step (wheel slot 5) 156–162 Orange - step (wheel slot 6) 163–168 Multicolor - step (wheel slot 7) 169–175 Filter CRI 90 - step (wheel slot 8) 176–182 CTO 3200K - step (wheel slot 9) 183–189 Congo blue - step (wheel slot 10) 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	C TO	0	0–46 6700 47–71 6000 72–112 5600 113–134 5000 135–158 4800 159–182 4500 183–205 4000 206–227 3600 228–235 3200 236–248 3000 249–254 2800 255–255 2700
16	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
17	Color Wheel 2	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 10 (Medium Yellow) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Filter 71 (Tokyo Blue) (wheel slot 8) 15–16 Filter 79 (Just Blue) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 100 (Spring Yellow) (wheel slot 12) 23–24 Filter 101 (Yellow) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 104 (Deep Amber) (wheel slot 16) 31–32 Filter 105 (Orange) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 116 (Medium Blue - Green) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 119 (Dark Blue) (wheel slot 24) 47–48 Filter 120 (Deep Blue) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 139 (Primary Green) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 158 (Deep Orange) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 179 (Chrome Orange) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 205 (Half CT Orange) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
18	Color Mix MSpeed	0	0–0 Function is OFF 1–254 max 255–255 min
19	Zoom MSpeed	0	0–0 Function is OFF 1–254 max 255–255 min
20	Scrim Pos	0	0–0 No function 1–255 Scrim inserting
21	Scrim Index	128	0–63 Scrim indexing 0 deg 64–127 Scrim indexing 90 deg 128–191 Scrim indexing 180 deg 192–254 Scrim indexing 270 deg 255–255 Scrim indexing 360 deg
22	Frost1	0	0–0 Open 1–50 Light Frost from 0% to 100% 51–53 100% Light Frost 54–63 Pulse closing from slow to fast 64–73 Pulse opening from fast to slow 74–83 Ramping from fast to slow 84–86 Open 87–136 Medium Frost from 0% to 100% 137–139 100% Medium Frost 140–149 Pulse closing from slow to fast 150–159 Pulse opening from fast to slow 160–169 Ramping from fast to slow 170–172 Open 173–222 Combined Frost from 0% to 100% 223–225 100% Combined Frost 226–235 Pulse closing from slow to fast 236–245 Pulse opening from fast to slow 246–255 Ramping from fast to slow
23	Zoom	128	
24	Zoom Fine	0	Fine byte of Zoom
25	Edge Color Correction	128	
26	Shaper Rot	128	
27	Blade4A	0	
28	Blade3A	0	
29	Blade2A	0	
30	Blade1A	0	
31	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast 1/12 0.3–19.4 Hz 95–95 Strobe · Slow to fast 12/12 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast 1/7 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast 7/7 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow 1/7 0.5–0.207 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
32	Dimmer	0	0–254 Closed 255–255 Open
33	Dimmer Fine	0	Fine byte of Dimmer