Robe Lighting

Robin iBolt



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**37 channels**
Beam angle	**0.4-8.5°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**402 × 603 × 399 mm**
GDTF fixture type	**FBFFF6D8-F564-434E-A9A0-20…**

Controls

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

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

Mode 1 - Standard 16 bit — 37 ch

Mode 1 - Standard 16 bit

37 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	Pan Rotate	0	0–0 Pan range 540Deg shortcut Off 1–1 Pan range 360Deg shortcut On 2–127 No function (Pan range 540Deg shortcut Off) 128–188 Forwards - Fast 189–189 Forwards - Slow 190–193 No rotation middle 194–254 Backwards - Slow 255–255 Backwards - Fast
6	Position MSpeed	0	0–0 Standard mode 1–254 Max 255–255 Min
7	Control1	0	0–1 No function 2–3 Wired DMX 4–5 Wireless DMX 6–21 NoFeature 1 22–23 Standby mode ON (light output is closed) 24–25 Standby mode OFF 26–27 Pressure test ON 28–29 Pressure test OFF 30–41 NoFeature 2 42–43 Display On 44–45 Display Off 46–47 PT mode Speed 48–49 PT mode Time 50–51 Fans ON at blackout 52–53 Fans OFF at blackout 54–121 NoFeature 3 122–123 Dimmer curve: Linear 124–125 Dimmer curve: Super Square Law 126–127 Parking position ON 128–129 Parking position OFF 130–131 Global fixture reset 132–133 PositionReset 134–135 Color wheels reset 136–137 Gobo wheels reset 138–139 Zoom/Focus/Prism/Frost reset 140–217 NoFeature 4 218–219 Gobo indexing: Maximum speed and shortcut 220–221 Gobo indexing: Follow speed and follow direction 222–223 Gobo indexing: Maximum speed and follow directi... 224–225 NoFeature 5 226–226 Dimmer activation 227–233 NoFeature 6 234–235 Fans mode: Auto 236–237 Fans mode: High 238–239 NoFeature 7 240–254 Fans mode: Quiet: Min 255–255 Fans mode: Quiet: Max

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
8	Safety Control	5	0–2 Lidar OFF 3–4 2m-lidar active 5–6 5m-lidar active 7–8 10m-ldar active 9–10 15m-lidar active 11–12 20m-lidar active 13–14 25m-lidar active 15–16 30m-lidar active 17–18 35m-lidar active 19–20 40m-lidar active 21–22 45m-lidar active 23–24 50m-lidar active 25–26 55m-lidar active 27–28 60m-lidar active 29–30 65m-lidar active 31–32 70m-lidar active 33–34 75m-lidar active 35–36 80m-lidar active 37–38 Dimmer deactivation 39–40 Dimmer activation 41–42 Sky mode ON 43–44 NoFeature 45–46 (10m)Stage mode safe distance 47–48 (20m)Stage mode safe distance 49–50 (30m)Stage mode safe distance 51–52 (40m)Stage mode safe distance 53–54 (50m)Stage mode safe distance 55–56 (60m)Stage mode safe distance 57–58 (70m)Stage mode safe distance 59–60 Tilt min 61–62 Tilt max 63–64 Pan min 65–66 Pan max 67–68 (default)Limited intensity zone cut-off 69–70 (10m)Limited intensity zone Stage 71–72 (20m)Limited intensity zone Stage 73–74 (30m)Limited intensity zone Stage 75–76 (40m)Limited intensity zone Stage 77–78 (50m)Limited intensity zone Stage 79–80 (60m)Limited intensity zone Stage 81–82 (70m)Limited intensity zone Stage 83–84 Reset to default P/T intensity zone 85–255 Reserved 1

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–8 Open/White - Positioning (wheel slot 1) 9–18 Deep Red - Positioning (wheel slot 2) 19–26 Deep Blue - Positioning (wheel slot 3) 27–36 Yellow - Positioning (wheel slot 4) 37–46 Light green - Positioning (wheel slot 5) 47–54 Magenta - Positioning (wheel slot 6) 55–63 Lavender - Positioning (wheel slot 7) 64–72 Pink - Positioning (wheel slot 8) 73–81 Dark green - Positioning (wheel slot 9) 82–90 CTO 2700K - Positioning (wheel slot 10) 91–100 Blue - Positioning (wheel slot 11) 101–109 Orange - Positioning (wheel slot 12) 110–118 CTO 3200K - Positioning (wheel slot 13) 119–127 UV (Kongo blue) - Positioning (wheel slot 14) 128–129 Open/White (1) - Positioning (wheel slot 1) 130–134 Deep Red - Indexing (wheel slot 2) 135–138 Deep Blue - Indexing (wheel slot 3) 139–143 Yellow - Indexing (wheel slot 4) 144–147 Light green - Indexing (wheel slot 5) 148–152 Magenta - Indexing (wheel slot 6) 153–157 Lavender - Indexing (wheel slot 7) 158–161 Pink - Indexing (wheel slot 8) 162–166 Dark green - Indexing (wheel slot 9) 167–171 CTO 2700K - Indexing (wheel slot 10) 172–176 Blue - Indexing (wheel slot 11) 177–180 Orange - Indexing (wheel slot 12) 181–185 CTO 3200K - Indexing (wheel slot 13) 186–189 UV (Kongo blue) - Indexing (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 colour selection - Fast to slow 250–254 fast 255–255 slow
10	Color Wheel Fine	0	Fine byte of Color Wheel
11	Cyan	0	
12	Magenta	0	
13	Yellow	0	

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
14	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
15	Color Mix MSpeed	0	0–0 Function is OFF 1–254 max 255–255 min
16	Focus MSpeed	0	0–0 Function is OFF 1–254 max 255–255 min
17	Gobo	0	0–3 Open/Hole (wheel slot 1) 4–9 Gobo 1 (wheel slot 2) 10–15 Gobo 2 (wheel slot 3) 16–21 Gobo 3 (wheel slot 4) 22–27 Gobo 4 (wheel slot 5) 28–33 Gobo 5 (wheel slot 6) 34–39 Gobo 6 (wheel slot 7) 40–45 Gobo 7 (wheel slot 8) 46–51 Gobo 8 (wheel slot 9) 52–57 Gobo 9 (wheel slot 10) 58–63 Gobo 10 (wheel slot 11) 64–69 Beam reducer 1 (wheel slot 12) 70–75 Beam reducer 2 (wheel slot 13) 76–81 Beam reducer 3 (wheel slot 14) 82–87 Beam reducer 4 (wheel slot 15) 88–95 Gobo 1 (wheel slot 2) 96–103 Gobo 2 (wheel slot 3) 104–111 Gobo 3 (wheel slot 4) 112–119 Gobo 4 (wheel slot 5) 120–127 Gobo 5 (wheel slot 6) 128–135 Gobo 6 (wheel slot 7) 136–143 Gobo 7 (wheel slot 8) 144–151 Gobo 8 (wheel slot 9) 152–159 Gobo 9 (wheel slot 10) 160–167 Gobo 10 (wheel slot 11) 168–175 Beam reducer 1 (wheel slot 12) 176–183 Beam reducer 2 (wheel slot 13) 184–191 Beam reducer 3 (wheel slot 14) 192–199 Beam reducer 4 (wheel slot 15) 200–201 Open/hole (wheel slot 1) 202–220 Fast to slow - Fast 221–222 Fast to slow - Slow 223–240 Slow to fast- Slow 241–243 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 16 bit (continued)

Ch	Function	Default	DMX values
18	Gobo 2	0	0–0 Open/Hole (wheel slot 1) 1–4 Hole (flat field) (wheel slot 1) 5–7 Gobo 1 (wheel slot 2) 8–10 Gobo 2 (wheel slot 3) 11–13 Gobo 3 (wheel slot 4) 14–16 Gobo 4 (wheel slot 5) 17–19 Gobo 5 (wheel slot 6) 20–22 Gobo 6 (wheel slot 7) 23–25 Gobo 7 (wheel slot 8) 26–28 Gobo 8 (wheel slot 9) 29–31 Gobo 9 (wheel slot 10) 32–34 Gobo 1 - Rotation (wheel slot 2) 35–37 Gobo 2 - Rotation (wheel slot 3) 38–40 Gobo 3 - Rotation (wheel slot 4) 41–43 Gobo 4 - Rotation (wheel slot 5) 44–46 Gobo 5 - Rotation (wheel slot 6) 47–49 Gobo 6 - Rotation (wheel slot 7) 50–52 Gobo 7 - Rotation (wheel slot 8) 53–55 Gobo 8 - Rotation (wheel slot 9) 56–59 Gobo 9 - Rotation (wheel slot 10) 60–66 Open - Prop Index (wheel slot 1) 67–73 G1 - Prop Index (wheel slot 2) 74–80 G2 - Prop Index (wheel slot 3) 81–87 G3 - Prop Index (wheel slot 4) 88–94 G4 - Prop Index (wheel slot 5) 95–101 G5 - Prop Index (wheel slot 6) 102–108 G6 - Prop Index (wheel slot 7) 109–115 G7 - Prop Index (wheel slot 8) 116–122 G8 - Prop Index (wheel slot 9) 123–129 G9 - Prop Index (wheel slot 10) 130–130 Open - Prop Index (wheel slot 1) 131–137 Open Prop Rot (wheel slot 1) 138–144 G01 Prop Rot (wheel slot 2) 145–151 G02 Prop Rot (wheel slot 3) 152–158 G03 Prop Rot (wheel slot 4) 159–165 G04 Prop Rot (wheel slot 5) 166–172 G05 Prop Rot (wheel slot 6) 173–179 G06 Prop Rot (wheel slot 7) 180–186 G07 Prop Rot (wheel slot 8) 187–193 G08 Prop Rot (wheel slot 9) 194–200 G09 Prop Rot (wheel slot 10) 201–201 Open Prop Rot (wheel slot 1) 202–220 Fast to slow - Fast 221–222 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
19	Gobo 2 Fine	0	Fine byte of Gobo 2
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 16 bit (continued)

Ch	Function	Default	DMX values
22	Prism	0	0–3 Open position/hole (wheel slot 1) 4–7 Prism 1 - 6 - facet linear (wheel slot 2) 8–11 Prism 2 -6 facet linear multicoloured (wheel slot 3) 12–15 Prism 3 - 8 - facet 12Deg circular (wheel slot 4) 16–19 Prism 1 - 6 - facet linear (wheel slot 2) 20–23 Prism 2 -6 facet linear multicoloured (wheel slot 3) 24–27 Prism 3 - 8 - facet 12Deg circular (wheel slot 4) 28–255 Raw DMX
23	Prism Rotation	128	0–0 min 1–124 Fast to slow -Fast 125–127 Fast to slow - Slow 128–128 center 129–232 max 233–255 Slow to fast - Fast
24	Prism	0	0–3 Open position/hole (wheel slot 1) 4–7 Prism 1 - 6 - facet linear (wheel slot 2) 8–11 Prism 2 - 32 - facet circular (wheel slot 3) 12–15 Prism 3 - 8 - facet 18Deg circular (wheel slot 4) 16–19 Prism 1 - 6 - facet linear (wheel slot 2) 20–23 Prism 2 - 32 - facet circular (wheel slot 3) 24–27 Prism 3 - 8 - facet 18Deg circular (wheel slot 4) 28–255 Raw DMX
25	Prism Rotation	128	0–0 min 1–124 Fast to slow -Fast 125–127 Fast to slow - Slow 128–128 center 129–232 max 233–255 Slow to fast - Fast

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
26	Effect	0	0–3 Open position/hole 4–5 Pattern 1 6–7 Pattern 2 8–9 Pattern 3 10–11 Pattern 4 12–13 Pattern 5 14–15 Pattern 6 16–17 Pattern 7 18–19 Pattern 8 20–21 Pattern 9 22–23 Pattern 10 24–25 Pattern 11 26–27 Pattern 12 28–29 Pattern 1 rotate 30–31 Pattern 2 rotate 32–33 Pattern 3 rotate 34–35 Pattern 4 rotate 36–37 Pattern 5 rotate 38–39 Pattern 6 rotate 40–41 Pattern 7 rotate 42–43 Pattern 8 rotate 44–45 Pattern 9 rotate 46–47 Pattern 10 rotate 48–49 Pattern 11 rotate 50–51 Pattern 12 rotate 52–53 Pattern 13 dynamic 54–55 Pattern 14 dynamic 56–57 Pattern 15 dynamic 58–59 Pattern 16 dynamic 60–61 Pattern 17 dynamic 62–63 Pattern 18 dynamic 64–65 Pattern 19 dynamic 66–67 Pattern 20 dynamic 68–255 Raw DMX
27	Effects1Pos	128	0–0 Effects indexing min 1–127 Forwards rot Fast-Slow 128–128 Effects indexing center 129–255 Effects indexing max

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
28	Spektra Beam	0	0–3 Open/ hole 4–5 Effect 1 6–7 Effect 2 8–9 Effect 3 10–11 Effect 4 12–13 Effect 5 14–15 Effect 6 16–17 Effect 7 18–19 Effect 8 20–21 Effect 9 22–23 Effect 10 24–25 Effect 11 26–27 Effect 12 28–29 Effect 13 30–31 Effect 14 32–33 Effect 15 34–35 Effect 1 Rot Index 36–37 Effect 2 Rot Index 38–39 Effect 3 Rot Index 40–41 Effect 4 Rot Index 42–43 Effect 5 Rot Index 44–45 Effect 6 Rot Index 46–47 Effect 7 Rot Index 48–49 Effect 8 Rot Index 50–51 Effect 9 Rot Index 52–53 Effect 10 Rot Index 54–55 Effect 11 Rot Index 56–57 Effect 12 Rot Index 58–59 Effect 13 Rot Index 60–61 Effect 14 Rot Index 62–63 Effect 15 Rot Index 64–255 Reserved
29	Beam Shaper Pos	128	0–0 min 1–124 Fast to slow - Fast 125–127 Fast to slow - Slow 128–128 center 129–232 max 233–255 Slow to fast - Fast
30	Frost1	0	0–3 Open 4–7 100% 8–255 Reserved
31	Zoom	128	
32	Zoom Fine	0	Fine byte of Zoom
33	Focus	128	
34	Focus Fine	0	Fine byte of Focus
35	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.304–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.119–0.548 ... 141–143 StrobePulseOpen · Slow to fast - Fast 0.584–0.656 ... 144–155 StrobePulseClose · Fast to slow - Fast 0.656–0.262 ... 156–159 StrobePulseClose · Fast to slow - Slow 0.226–0.119 ... 160–191 open 192–223 Random strobe from slow to fast 224–254 open 255–255 Closed
36	Dimmer	0	0–254 Closed 255–255 Open

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
37	Dimmer Fine	0	Fine byte of Dimmer