Robe Lighting

Robin Viva



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**23, 30 channels**
Beam angle	**9-40°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**279 × 464 × 214 mm**
GDTF fixture type	**93C2D43B-6621-48F6-B039-E8…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · Colour wheel · Effect speed · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Mode 2 - Reduced 8 bit	23 ch
Mode 1 - Standard 16 bit	30 ch

Mode 2 - Reduced 8 bit

23 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 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–49 NoFeature 50–54 Dimmer curve: Square law 55–59 Dimmer curve: Linear 60–64 Fans mode: Auto 65–69 Fans mode: High 70–89 NoFeature 7 90–94 P/T speed mode 95–99 P/T time mode 100–104 BO while PAN TILT moving: ON 105–109 BO while PAN TILT moving: OFF 110–114 BO while color wheels moving: ON 115–119 BO while color wheels moving: OFF 120–139 NoFeature 10 140–149 Pan/Tilt reset 150–159 ColorReset 160–169 Gobo/Iris Reset 170–179 Reserved 5 180–189 Zoom/Focus/Iris/Prism Reset 190–199 Reserved 6 200–209 Total Reset 210–218 Reserved 7 219–220 RoboSpot enabled 221–222 RoboSpot disabled except faders and PT 223–224 RoboSpot fully disabled 225–239 NoFeature 20 240–240 Disable Quiet mode 241–255 Quiet Mode min to max

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–8 Open/white (wheel slot 1) 9–27 Deep red (wheel slot 2) 28–45 Deep blue (wheel slot 3) 46–63 Yellow (wheel slot 4) 64–81 Magenta (wheel slot 5) 82–99 Green (wheel slot 6) 100–118 Congo Blue (wheel slot 7) 119–127 Open/White (wheel slot 1) 128–129 Open/White step (wheel slot 1) 130–139 Deep red step (wheel slot 2) 140–149 Deep blue step (wheel slot 3) 150–159 Yellow step (wheel slot 4) 160–169 Magenta step (wheel slot 5) 170–179 Green 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 color selection by audio control 250–255 Auto random color selection from fast to slow
8	Color Wheel 2	0	0–8 Open/white (wheel slot 1) 9–27 Light green (wheel slot 2) 28–45 Levander (wheel slot 3) 46–63 Pink (wheel slot 4) 64–81 CTO (wheel slot 5) 82–99 Blue (wheel slot 6) 100–118 Orange (wheel slot 7) 119–129 Open/White (wheel slot 1) 130–139 Light green step (wheel slot 2) 140–149 Levander step (wheel slot 3) 150–159 Pink step (wheel slot 4) 160–169 CTO step (wheel slot 5) 170–179 Blue step (wheel slot 6) 180–189 Orange 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 color selection by audio control 250–255 Auto random color selection from fast to slow
9	Color Mix MSpeed	0	
10	Color Wheel Select MSpeed	0	0–0 No function 1–255 Time of ColorWheel and CMY movement
11	Effect Speed	0	0–0 No function 1–255 Effect time min to max

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
12	Gobo	0	0–8 Open/Hole (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–80 Gobo 8 (wheel slot 9) 81–91 Gobo 9 (wheel slot 10) 92–103 Gobo1 (wheel slot 2) 104–115 Gobo2 (wheel slot 3) 116–127 Gobo3 (wheel slot 4) 128–139 Gobo4 (wheel slot 5) 140–151 Gobo5 (wheel slot 6) 152–163 Gobo6 (wheel slot 7) 164–175 Gobo7 (wheel slot 8) 176–187 Gobo8 (wheel slot 9) 188–199 Gobo9 (wheel slot 10) 200–201 Open/Hole (wheel slot 1) 202–202 Fast to slow 1/8 203–205 Fast to slow 2/8 206–209 Fast to slow 3/8 210–212 Fast to slow 4/8 213–214 Fast to slow 5/8 215–216 Fast to slow 6/8 217–218 Fast to slow 7/8 219–222 Fast to slow 8/8 223–226 Slow to fast 1/8 227–228 Slow to fast 2/8 229–230 Slow to fast 3/8 231–232 Slow to fast 4/8 233–235 Slow to fast 5/8 236–239 Slow to fast 6/8 240–242 Slow to fast 7/8 243–243 Slow to fast 8/8 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
13	Gobo 2	0	0–3 Open/Hole (wheel slot 1) 4–7 Gobo1 (wheel slot 2) 8–11 Gobo2 (wheel slot 3) 12–15 Gobo3 (wheel slot 4) 16–19 Gobo4 (wheel slot 5) 20–23 Gobo5 (wheel slot 6) 24–27 Gobo6 (wheel slot 7) 28–31 Gobo7 (wheel slot 8) 32–35 Gobo1 (wheel slot 2) 36–39 Gobo2 (wheel slot 3) 40–43 Gobo3 (wheel slot 4) 44–47 Gobo4 (wheel slot 5) 48–51 Gobo5 (wheel slot 6) 52–55 Gobo6 (wheel slot 7) 56–59 Gobo7 (wheel slot 8) 60–69 Gobo1 (wheel slot 2) 70–79 Gobo2 (wheel slot 3) 80–89 Gobo3 (wheel slot 4) 90–99 Gobo4 (wheel slot 5) 100–109 Gobo5 (wheel slot 6) 110–119 Gobo6 (wheel slot 7) 120–129 Gobo7 (wheel slot 8) 130–139 Gobo1 (wheel slot 2) 140–149 Gobo2 (wheel slot 3) 150–159 Gobo3 (wheel slot 4) 160–169 Gobo4 (wheel slot 5) 170–179 Gobo5 (wheel slot 6) 180–189 Gobo6 (wheel slot 7) 190–199 Gobo7 (wheel slot 8) 200–201 Open/Hole (wheel slot 1) 202–205 Fast to slow 1/7 206–209 Fast to slow 2/7 210–213 Fast to slow 3/7 214–215 Fast to slow 4/7 216–216 Fast to slow 5/7 217–217 Fast to slow 6/7 218–222 Fast to slow 7/7 223–227 Slow to fast 1/7 228–228 Slow to fast 2/7 229–229 Slow to fast 3/7 230–231 Slow to fast 4/7 232–235 Slow to fast 5/7 236–239 Slow to fast 6/7 240–243 Slow to fast 77 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
14	Gobo Rotation 2	0	0–0 min 1–24 Fast to slow 100% 25–49 Fast to slow 80% 50–74 Fast to slow 60% 75–99 Fast to slow 40% 100–119 Fast to slow 20% 120–123 Fast to slow 10% 124–127 Fast to slow 5% 128–128 center 129–132 max 133–136 Slow to fast 10% 137–156 Slow to fast 20% 157–181 Slow to fast 40% 182–206 Slow to fast 60% 207–231 Slow to fast 80% 232–255 Slow to fast 100%

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
15	Prism	0	0–19 Open (wheel slot 1) 20–127 3-facet rotating prism (wheel slot 2) 128–135 Prism Macro 1 136–143 Prism Macro 2 144–151 Prism Macro 3 152–159 Prism Macro 4 160–167 Prism Macro 5 168–175 Prism Macro 6 176–183 Prism Macro 7 184–191 Prism Macro 8 192–199 Prism Macro 9 200–207 Prism Macro 10 208–215 Prism Macro 11 216–223 Prism Macro 12 224–231 Prism Macro 13 232–239 Prism Macro 14 240–247 Prism Macro 15 248–255 Prism Macro 16
16	Prism Rotation	128	0–0 No rotation 1–24 Fast to slow 1/7 25–49 Fast to slow 2/7 50–74 Fast to slow 3/7 75–99 Fast to slow 4/7 100–119 Fst to slow 5/7 120–124 Fast to slow 6/7 125–127 Fast to slow 7/7 128–128 No rotation middle 129–131 Slow to fast 1/7 132–136 Slow to fast 2/7 137–156 Slow to fast 3/7 157–181 Slow to fast 4/7 182–206 Slow to fast 5/7 207–232 Slow to fast 6/7 233–255 Slow to fast 7/7
17	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 Frost 100% 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow

Mode 2 - Reduced 8 bit (continued)

Ch	Function	Default	DMX values
18	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow t ofast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
19	Zoom	128	
20	Focus	0	
21	No Feature	0	
22	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–78 Strobe · Slow to fast 1/12 0.3–9.2 Hz 79–94 Strobe · Slow to fast 6/12 9.83–19.4 Hz 95–95 Strobe · Slow to fast 11/12 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
23	Dimmer	0	0–254 Closed 255–255 Open

Mode 1 - Standard 16 bit

30 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
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 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display On 25–29 Display Off 30–49 NoFeature 50–54 Dimmer curve: Square law 55–59 Dimmer curve: Linear 60–64 Fans mode: Auto 65–69 Fans mode: High 70–89 NoFeature 7 90–94 P/T speed mode 95–99 P/T time mode 100–104 BO while PAN TILT moving: ON 105–109 BO while PAN TILT moving: OFF 110–114 BO while color wheels moving: ON 115–119 BO while color wheels moving: OFF 120–139 NoFeature 10 140–149 Pan/Tilt reset 150–159 ColorReset 160–169 Gobo/Iris Reset 170–179 Reserved 5 180–189 Zoom/Focus/Iris/Prism Reset 190–199 Reserved 6 200–209 Total Reset 210–218 Reserved 7 219–220 RoboSpot enabled 221–222 RoboSpot disabled except faders and PT 223–224 RoboSpot fully disabled 225–239 NoFeature 20 240–240 Disable Quiet mode 241–255 Quiet Mode min to max
7	Color Wheel	0	0–8 Open/white (wheel slot 1) 9–26 Deep red (wheel slot 2) 27–45 Deep blue (wheel slot 3) 46–63 Yellow (wheel slot 4) 64–81 Magenta (wheel slot 5) 82–99 Green (wheel slot 6) 100–118 Congo Blue (wheel slot 7) 119–127 Open/White (wheel slot 1) 128–129 Open/White step (wheel slot 1) 130–139 Deep red step (wheel slot 2) 140–149 Deep blue step (wheel slot 3) 150–159 Yellow step (wheel slot 4) 160–169 Magenta step (wheel slot 5) 170–179 Green 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 color selection by audio control 250–255 Auto random color selection from fast to slow
8	Color Wheel Fine	0	Fine byte of Color Wheel

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
9	Color Wheel 2	0	0–8 Open/white (wheel slot 1) 9–26 Light green (wheel slot 2) 27–45 Levander (wheel slot 3) 46–63 Pink (wheel slot 4) 64–81 CTO (wheel slot 5) 82–99 Blue (wheel slot 6) 100–118 Orange (wheel slot 7) 119–129 Open/White (wheel slot 1) 130–139 Light green step (wheel slot 2) 140–149 Levander step (wheel slot 3) 150–159 Pink step (wheel slot 4) 160–169 CTO step (wheel slot 5) 170–179 Blue step (wheel slot 6) 180–189 Orange 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 color selection by audio control 250–255 Auto random color selection from fast to slow
10	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
11	Color Mix MSpeed	0	
12	Color Wheel Select MSpeed	0	0–0 No function 1–255 Time of ColorWheel and CMY movement
13	Effect Speed	0	0–0 No function 1–255 Effect time min to max

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
14	Gobo	0	0–8 Open/Hole (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–80 Gobo 8 (wheel slot 9) 81–91 Gobo 9 (wheel slot 10) 92–103 Gobo1 (wheel slot 2) 104–115 Gobo2 (wheel slot 3) 116–127 Gobo3 (wheel slot 4) 128–139 Gobo4 (wheel slot 5) 140–151 Gobo5 (wheel slot 6) 152–163 Gobo6 (wheel slot 7) 164–175 Gobo7 (wheel slot 8) 176–187 Gobo8 (wheel slot 9) 188–199 Gobo9 (wheel slot 10) 200–201 Open/Hole (wheel slot 1) 202–202 Fast to slow 1/8 203–205 Fast to slow 2/8 206–209 Fast to slow 3/8 210–212 Fast to slow 4/8 213–214 Fast to slow 5/8 215–216 Fast to slow 6/8 217–218 Fast to slow 7/8 219–222 Fast to slow 8/8 223–226 Slow to fast 1/8 227–228 Slow to fast 2/8 229–230 Slow to fast 3/8 231–232 Slow to fast 4/8 233–235 Slow to fast 5/8 236–239 Slow to fast 6/8 240–242 Slow to fast 7/8 243–243 Slow to fast 8/8 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
15	Gobo 2	0	0–3 Open/Hole (wheel slot 1) 4–7 Gobo1 (wheel slot 2) 8–11 Gobo2 (wheel slot 3) 12–15 Gobo3 (wheel slot 4) 16–19 Gobo4 (wheel slot 5) 20–23 Gobo5 (wheel slot 6) 24–27 Gobo6 (wheel slot 7) 28–31 Gobo7 (wheel slot 8) 32–35 Gobo1 (wheel slot 2) 36–39 Gobo2 (wheel slot 3) 40–43 Gobo3 (wheel slot 4) 44–47 Gobo4 (wheel slot 5) 48–51 Gobo5 (wheel slot 6) 52–55 Gobo6 (wheel slot 7) 56–59 Gobo7 (wheel slot 8) 60–69 Gobo1 (wheel slot 2) 70–79 Gobo2 (wheel slot 3) 80–89 Gobo3 (wheel slot 4) 90–99 Gobo4 (wheel slot 5) 100–109 Gobo5 (wheel slot 6) 110–119 Gobo6 (wheel slot 7) 120–129 Gobo7 (wheel slot 8) 130–139 Gobo1 (wheel slot 2) 140–149 Gobo2 (wheel slot 3) 150–159 Gobo3 (wheel slot 4) 160–169 Gobo4 (wheel slot 5) 170–179 Gobo5 (wheel slot 6) 180–189 Gobo6 (wheel slot 7) 190–199 Gobo7 (wheel slot 8) 200–201 Open/Hole (wheel slot 1) 202–205 Fast to slow 1/7 206–209 Fast to slow 2/7 210–213 Fast to slow 3/7 214–215 Fast to slow 4/7 216–216 Fast to slow 5/7 217–217 Fast to slow 6/7 218–222 Fast to slow 7/7 223–227 Slow to fast 1/7 228–228 Slow to fast 2/7 229–229 Slow to fast 3/7 230–231 Slow to fast 4/7 232–235 Slow to fast 5/7 236–239 Slow to fast 6/7 240–243 Slow to fast 77 244–249 Random gobo selection by audio control 250–255 Auto random gobo selection from fast to slow
16	Gobo Rotation 2	0	0–0 min 1–24 Fast to slow 100% 25–49 Fast to slow 80% 50–74 Fast to slow 60% 75–99 Fast to slow 40% 100–119 Fast to slow 20% 120–123 Fast to slow 10% 124–127 Fast to slow 5% 128–128 center 129–132 Slow to fast 5% 133–136 Slow to fast 10% 137–156 Slow to fast 20% 157–181 Slow to fast 40% 182–206 Slow to fast 60% 207–231 Slow to fast 80% 232–255 Slow to fast 100%

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
17	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
18	Prism	0	0–19 Open (wheel slot 1) 20–127 3-facet rotating prism (wheel slot 2) 128–135 Prism Macro 1 136–143 Prism Macro 2 144–151 Prism Macro 3 152–159 Prism Macro 4 160–167 Prism Macro 5 168–175 Prism Macro 6 176–183 Prism Macro 7 184–191 Prism Macro 8 192–199 Prism Macro 9 200–207 Prism Macro 10 208–215 Prism Macro 11 216–223 Prism Macro 12 224–231 Prism Macro 13 232–239 Prism Macro 14 240–247 Prism Macro 15 248–255 Prism Macro 16
19	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
20	Frost1	0	0–0 Open 1–179 Frost from 0% to 100% 180–189 Frost 100% 190–211 Pulse closing from slow to fast 212–233 Pulse opening from fast to slow 234–255 Ramping from fast to slow

Mode 1 - Standard 16 bit (continued)

Ch	Function	Default	DMX values
21	Iris	0	0–179 Open 180–191 Closed 192–194 Slow to fast 1/13 195–196 Slow to fast 2/13 197–198 Slow to fast 3/13 199–200 Slow to fast 4/13 201–202 Slow to fast 5/13 203–204 Slow to fast 6/13 205–206 Slow to fast 7/13 207–208 Slow to fast 8/13 209–210 Slow to fast 9/13 211–212 Slow to fast 10/13 213–214 Slow to fast 11/13 215–216 Slow t ofast 12/13 217–219 Slow to fast 13/13 220–221 Fast to slow 1/13 222–223 Fast to slow 2/13 224–225 Fast to slow 3/13 226–227 Fast to slow 4/13 228–229 Fast to slow 5/13 230–231 Fast to slow 6/13 232–233 Fast to slow 7/13 234–235 Fast to slow 8/13 236–237 Fast to slow 9/13 238–239 Fast to slow 10/13 240–241 Fast to slow 11/13 242–243 Fast to slow 12/13 244–247 Fast to slow 13/13 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
22	Iris Fine	0	Fine byte of Iris
23	Zoom	128	
24	Zoom Fine	0	Fine byte of Zoom
25	Focus	0	
26	Focus Fine	0	Fine byte of Focus
27	No Feature	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–78 Strobe · Slow to fast 1/12 0.3–9.2 Hz 79–94 Strobe · Slow to fast 6/12 9.83–19.4 Hz 95–95 Strobe · Slow to fast 11/12 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
29	Dimmer	0	0–254 Closed 255–255 Open
30	Dimmer Fine	0	Fine byte of Dimmer