Robe Lighting

Robin MMX WashBeam



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**27, 29, 34 channels**
Beam angle	**3-65°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**437 × 117 × 273 mm**
GDTF fixture type	**AE8C1933-2FE8-4553-95F1-FA6…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

Mode 3 - 8 bit	27 ch
Mode 2 - Reduced	29 ch
Mode 1 - Standard	34 ch

Mode 3 - 8 bit

27 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Tilt	127	
3	Position MSpeed	0	0–0 Standard mode 1–1 Max Speed Mode 2–254 Speed/Time max to min 255–255 Min Speed Mode
4	Control1	0	0–4 Flight Case Parking Position OFF 5–9 Flight Case Parking Position ON 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–34 Pan/Tilt acceleration high 35–39 Pan/Tilt acceleration compatible 40–44 Dimmer - Compatible curve 45–49 Dimmer - SYNC curve 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while colour wheels moving 100–109 Disabled blackout while colour wheels moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/Shutter reset 180–189 Zoom/focus/frost/prism reset 190–199 Beam shaper reset 200–209 Total reset 210–218 NoFeature 2 219–220 RoboSpot enabled 221–222 RoboSpot disabled except handle faders and P/T 223–224 RoboSpot fully disabled 225–229 NoFeature 3 230–239 Lamp Off 240–240 Disabled silent mode of fans 241–254 Fan noise min 255–255 Fan noise max

Mode 3 - 8 bit (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–8 Open/white - continual (wheel slot 1) 9–27 Deep red - continual (wheel slot 2) 28–46 Deep blue - continual (wheel slot 3) 47–63 Orange - continual (wheel slot 4) 64–82 Green - continual (wheel slot 5) 83–100 Amber - continual (wheel slot 6) 101–119 Congo blue (UV) - continual (wheel slot 7) 120–129 White - continual (wheel slot 1) 130–139 Deep red - step (wheel slot 2) 140–149 Deep blue - step (wheel slot 3) 150–159 Orange - step (wheel slot 4) 160–169 Green - step (wheel slot 5) 170–179 Amber - 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 colour selection by audio control 250–254 Fast 255–255 Slow
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	0–254 CTO 7000K 255–255 CTO 3200K
10	Color Macro1	0	0–7 No function 8–15 Colour Macro 1 16–23 Colour Macro 2 24–31 Colour Macro 3 32–39 Colour Macro 4 40–47 Colour Macro 5 48–55 Colour Macro 6 56–63 Colour Macro 7 64–71 Colour Macro 8 72–79 Colour Macro 9 80–87 Colour Macro 10 88–95 Colour Macro 11 96–103 Colour Macro 12 104–111 Colour Macro 13 112–119 Colour Macro 14 120–127 Colour Macro 15 128–135 Colour Macro 16 136–143 Colour Macro 17 144–151 Colour Macro 18 152–159 Colour Macro 19 160–167 Colour Macro 20 168–175 Colour Macro 21 176–183 Colour Macro 22 184–191 Colour Macro 23 192–199 Colour Macro 24 200–207 Colour Macro 25 208–215 Colour Macro 26 216–223 Colour Macro 27 224–231 Colour Macro 28 232–239 Colour Macro 29 240–243 Colour Macro 30 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
11	Gobo Wheel1MSpeed	0	

Mode 3 - 8 bit (continued)

Ch	Function	Default	DMX values
12	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–221 Fast to slow - Slow 222–223 No rotation middle 224–240 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
13	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–254 Slow to fast - Fast 255–255 Gobo indexing max
14	Beam Type	0	0–29 Beam(Beam) / Wash mode(Wash) 30–39 BeamWash(beam) / Extended Wash mode(Wash) 40–49 Extended BeamWash(Beam type) / Reserved(Wash) 50–255 Reserved
15	Zoom	128	0–254 Zoom max 255–255 Zoom min
16	Focus	0	

Mode 3 - 8 bit (continued)

Ch	Function	Default	DMX values
17	Focus1Adjust	0	0–0 Autofocus Off 1–7 4 metres (Iris) 8–15 7 metres (Iris) 16–23 10 metres (Iris) 24–31 15 metres (Iris) 32–39 20 metres (Iris) 40–55 30 metres (Iris) 56–63 40 metres (Iris) 64–71 4 metres (Gobo wheel 1) 72–79 7 metres (Gobo wheel 1) 80–87 10 metres (Gobo wheel 1) 88–95 15 metres (Gobo wheel 1) 96–103 20 metres (Gobo wheel 1) 104–111 30 metres (Gobo wheel 1) 112–119 40 metres (Gobo wheel 1) 120–127 50 metres (Gobo wheel 1) 128–135 4 metres (Gobo wheel 2) 136–143 7 metres (Gobo wheel 2) 144–151 10 metres (Gobo wheel 2) 152–159 15 metres (Gobo wheel 2) 160–167 20 metres (Gobo wheel 2) 168–175 30 metres (Gobo wheel 2) 176–183 40 metres (Gobo wheel 2) 184–191 50 metres (Gobo wheel 2) 192–199 4 metres (Graphic wheel) 200–207 7 metres (Graphic wheel) 208–215 10 metres (Graphic wheel) 216–223 15 metres (Graphic wheel) 224–231 20 metres (Graphic wheel) 232–239 30 metres (Graphic wheel) 240–247 40 metres (Graphic wheel) 248–254 50 metres (Graphic wheel) 255–255 infinity
18	Shaper Rot	128	
19	Blade4A	0	
20	Blade2A	0	
21	Blade1A	0	
22	Blade3A	0	

Mode 3 - 8 bit (continued)

Ch	Function	Default	DMX values
23	Shaper Macros	0	0–3 No function 4–7 Macro 1 8–11 Macro 2 12–15 Macro 3 16–19 Macro 4 20–23 Macro 5 24–27 Macro 6 28–31 Macro 7 32–35 Macro 8 36–39 Macro 9 40–43 Macro 10 44–47 Macro 11 48–51 Macro 12 52–55 Macro 13 56–59 Macro 14 60–63 Macro 15 64–67 Macro 16 68–71 Macro 17 72–75 Macro 18 76–79 Macro 19 80–83 Macro 20 84–87 Macro 21 88–91 Macro 22 92–95 Macro 23 96–99 Macro 24 100–103 Macro 25 104–107 Macro 26 108–111 Macro 27 112–115 Macro 28 116–119 Macro 29 120–123 Macro 30 124–127 Macro 31 128–131 Macro 32 132–135 Macro 33 136–139 Macro 34 140–143 Macro 35 144–147 Macro 36 148–151 Macro 37 152–155 Macro 38 156–159 Macro 39 160–163 Macro 40 164–167 Macro 41 168–255 NoFeature 2
24	Shaper Macros Speed	0	
25	Hot Spot	0	0–254 Max beam distribution intensity 255–255 min beam distribution intensity
26	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Fast 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Slow 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
27	Dimmer	0	

Mode 2 - Reduced

29 channels

Ch	Function	Default	DMX values
1	Pan	85	
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 2–254 Speed/Time max to min 255–255 Min Speed Mode
6	Control1	0	0–4 Flight Case Parking Position OFF 5–9 Flight Case Parking Position ON 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–34 Pan/Tilt acceleration high 35–39 Pan/Tilt acceleration compatible 40–44 Dimmer - Compatible curve 45–49 Dimmer - SYNC curve 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while colour wheels moving 100–109 Disabled blackout while colour wheels moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/Shutter reset 180–189 Zoom/focus/frost/prism reset 190–199 Beam shaper reset 200–209 Total reset 210–218 NoFeature 2 219–220 RoboSpot enabled 221–222 RoboSpot disabled except handle faders and P/T 223–224 RoboSpot fully disabled 225–229 NoFeature 3 230–239 Lamp Off 240–240 Disabled silent mode of fans 241–254 Fan noise min 255–255 Fan noise max

Mode 2 - Reduced (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–8 Open/white - continual (wheel slot 1) 9–27 Deep red - continual (wheel slot 2) 28–46 Deep blue - continual (wheel slot 3) 47–63 Orange - continual (wheel slot 4) 64–82 Green - continual (wheel slot 5) 83–100 Amber - continual (wheel slot 6) 101–119 Congo blue (UV) - continual (wheel slot 7) 120–129 White - continual (wheel slot 1) 130–139 Deep red - step (wheel slot 2) 140–149 Deep blue - step (wheel slot 3) 150–159 Orange - step (wheel slot 4) 160–169 Green - step (wheel slot 5) 170–179 Amber - 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 colour selection by audio control 250–254 Fast 255–255 Slow
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	C TO	0	0–254 CTO 7000K 255–255 CTO 3200K
12	Color Macro1	0	0–7 No function 8–15 Colour Macro 1 16–23 Colour Macro 2 24–31 Colour Macro 3 32–39 Colour Macro 4 40–47 Colour Macro 5 48–55 Colour Macro 6 56–63 Colour Macro 7 64–71 Colour Macro 8 72–79 Colour Macro 9 80–87 Colour Macro 10 88–95 Colour Macro 11 96–103 Colour Macro 12 104–111 Colour Macro 13 112–119 Colour Macro 14 120–127 Colour Macro 15 128–135 Colour Macro 16 136–143 Colour Macro 17 144–151 Colour Macro 18 152–159 Colour Macro 19 160–167 Colour Macro 20 168–175 Colour Macro 21 176–183 Colour Macro 22 184–191 Colour Macro 23 192–199 Colour Macro 24 200–207 Colour Macro 25 208–215 Colour Macro 26 216–223 Colour Macro 27 224–231 Colour Macro 28 232–239 Colour Macro 29 240–243 Colour Macro 30 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
13	Gobo Wheel1MSpeed	0	

Mode 2 - Reduced (continued)

Ch	Function	Default	DMX values
14	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–221 Fast to slow - Slow 222–223 No rotation middle 224–240 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
15	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–254 Slow to fast - Fast 255–255 Gobo indexing max
16	Beam Type	0	0–29 Beam(Beam) / Wash mode(Wash) 30–39 BeamWash(beam) / Extended Wash mode(Wash) 40–49 Extended BeamWash(Beam type) / Reserved(Wash) 50–255 Reserved
17	Zoom	128	0–254 Zoom max 255–255 Zoom min
18	Focus	0	

Mode 2 - Reduced (continued)

Ch	Function	Default	DMX values
19	Focus1Adjust	0	0–0 Autofocus Off 1–7 4 metres (Iris) 8–15 7 metres (Iris) 16–23 10 metres (Iris) 24–31 15 metres (Iris) 32–39 20 metres (Iris) 40–55 30 metres (Iris) 56–63 40 metres (Iris) 64–71 4 metres (Gobo wheel 1) 72–79 7 metres (Gobo wheel 1) 80–87 10 metres (Gobo wheel 1) 88–95 15 metres (Gobo wheel 1) 96–103 20 metres (Gobo wheel 1) 104–111 30 metres (Gobo wheel 1) 112–119 40 metres (Gobo wheel 1) 120–127 50 metres (Gobo wheel 1) 128–135 4 metres (Gobo wheel 2) 136–143 7 metres (Gobo wheel 2) 144–151 10 metres (Gobo wheel 2) 152–159 15 metres (Gobo wheel 2) 160–167 20 metres (Gobo wheel 2) 168–175 30 metres (Gobo wheel 2) 176–183 40 metres (Gobo wheel 2) 184–191 50 metres (Gobo wheel 2) 192–199 4 metres (Graphic wheel) 200–207 7 metres (Graphic wheel) 208–215 10 metres (Graphic wheel) 216–223 15 metres (Graphic wheel) 224–231 20 metres (Graphic wheel) 232–239 30 metres (Graphic wheel) 240–247 40 metres (Graphic wheel) 248–254 50 metres (Graphic wheel) 255–255 infinity
20	Shaper Rot	128	
21	Blade4A	0	
22	Blade2A	0	
23	Blade1A	0	
24	Blade3A	0	

Mode 2 - Reduced (continued)

Ch	Function	Default	DMX values
25	Shaper Macros	0	0–3 No function 4–7 Macro 1 8–11 Macro 2 12–15 Macro 3 16–19 Macro 4 20–23 Macro 5 24–27 Macro 6 28–31 Macro 7 32–35 Macro 8 36–39 Macro 9 40–43 Macro 10 44–47 Macro 11 48–51 Macro 12 52–55 Macro 13 56–59 Macro 14 60–63 Macro 15 64–67 Macro 16 68–71 Macro 17 72–75 Macro 18 76–79 Macro 19 80–83 Macro 20 84–87 Macro 21 88–91 Macro 22 92–95 Macro 23 96–99 Macro 24 100–103 Macro 25 104–107 Macro 26 108–111 Macro 27 112–115 Macro 28 116–119 Macro 29 120–123 Macro 30 124–127 Macro 31 128–131 Macro 32 132–135 Macro 33 136–139 Macro 34 140–143 Macro 35 144–147 Macro 36 148–151 Macro 37 152–155 Macro 38 156–159 Macro 39 160–163 Macro 40 164–167 Macro 41 168–255 NoFeature 2
26	Shaper Macros Speed	0	
27	Hot Spot	0	0–254 Max beam distribution intensity 255–255 min beam distribution intensity
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Fast 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Slow 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
29	Dimmer	0	

Mode 1 - Standard

34 channels

Ch	Function	Default	DMX values
1	Pan	85	
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 2–254 Speed/Time max to min 255–255 Min Speed Mode
6	Control1	0	0–4 Flight Case Parking Position OFF 5–9 Flight Case Parking Position ON 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–34 Pan/Tilt acceleration high 35–39 Pan/Tilt acceleration compatible 40–44 Dimmer - Compatible curve 45–49 Dimmer - SYNC curve 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–99 Blackout while colour wheels moving 100–109 Disabled blackout while colour wheels moving 110–119 Blackout while gobo wheel moving 120–129 Disabled blackout while gobo wheel moving 130–139 Lamp On 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Gobo wheels reset 170–179 Dimmer/Shutter reset 180–189 Zoom/focus/frost/prism reset 190–199 Beam shaper reset 200–209 Total reset 210–218 NoFeature 2 219–220 RoboSpot enabled 221–222 RoboSpot disabled except handle faders and P/T 223–224 RoboSpot fully disabled 225–229 NoFeature 3 230–239 Lamp Off 240–240 Disabled silent mode of fans 241–254 Fan noise min 255–255 Fan noise max

Mode 1 - Standard (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–7 Open/white - continual (wheel slot 1) 8–26 Deep red - continual (wheel slot 2) 27–45 Deep blue - continual (wheel slot 3) 46–62 Orange - continual (wheel slot 4) 63–81 Green - continual (wheel slot 5) 82–98 Amber - continual (wheel slot 6) 99–119 Congo blue (UV) - continual (wheel slot 7) 120–129 White - continual (wheel slot 1) 130–139 Deep red - step (wheel slot 2) 140–149 Deep blue - step (wheel slot 3) 150–159 Orange - step (wheel slot 4) 160–169 Green - step (wheel slot 5) 170–179 Amber - 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 colour selection by audio control 250–254 fast 255–255 slow
8	Color Wheel Fine	0	Fine byte of Color Wheel
9	Cyan	0	
10	Magenta	0	
11	Yellow	0	
12	C TO	0	0–254 CTO 7000K 255–255 CTO 3200K
13	Color Macro1	0	0–7 No function 8–15 Colour Macro 1 16–23 Colour Macro 2 24–31 Colour Macro 3 32–39 Colour Macro 4 40–47 Colour Macro 5 48–55 Colour Macro 6 56–63 Colour Macro 7 64–71 Colour Macro 8 72–79 Colour Macro 9 80–87 Colour Macro 10 88–95 Colour Macro 11 96–103 Colour Macro 12 104–111 Colour Macro 13 112–119 Colour Macro 14 120–127 Colour Macro 15 128–135 Colour Macro 16 136–143 Colour Macro 17 144–151 Colour Macro 18 152–159 Colour Macro 19 160–167 Colour Macro 20 168–175 Colour Macro 21 176–183 Colour Macro 22 184–191 Colour Macro 23 192–199 Colour Macro 24 200–207 Colour Macro 25 208–215 Colour Macro 26 216–223 Colour Macro 27 224–231 Colour Macro 28 232–239 Colour Macro 29 240–243 Colour Macro 30 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow

Mode 1 - Standard (continued)

Ch	Function	Default	DMX values
14	Gobo Wheel1MSpeed	0	
15	Gobo	0	0–3 Open/hole (wheel slot 1) 4–7 Gobo 1 (wheel slot 2) 8–11 Gobo 2 (wheel slot 3) 12–15 Gobo 3 (wheel slot 4) 16–19 Gobo 4 (wheel slot 5) 20–23 Gobo 5 (wheel slot 6) 24–27 Gobo 6 (wheel slot 7) 28–31 Gobo 7 (wheel slot 8) 32–35 Gobo 1 - Rotation (wheel slot 2) 36–39 Gobo 2 - Rotation (wheel slot 3) 40–43 Gobo 3 - Rotation (wheel slot 4) 44–47 Gobo 4 - Rotation (wheel slot 5) 48–51 Gobo 5 - Rotation (wheel slot 6) 52–55 Gobo 6 - Rotation (wheel slot 7) 56–59 Gobo 7 - Rotation (wheel slot 8) 60–69 Gobo 1 - Shaking Index (wheel slot 2) 70–79 Gobo 2 - Shaking Index (wheel slot 3) 80–89 Gobo 3 - Shaking Index (wheel slot 4) 90–99 Gobo 4 - Shaking Index (wheel slot 5) 100–109 Gobo 5 - Shaking Index (wheel slot 6) 110–119 Gobo 6 - Shaking Index (wheel slot 7) 120–129 Gobo 7 - Shaking Index (wheel slot 8) 130–139 Gobo 1 - Shaking Rotation (wheel slot 2) 140–149 Gobo 2 - Shaking Rotation (wheel slot 3) 150–159 Gobo 3 - Shaking Rotation (wheel slot 4) 160–169 Gobo 4 - Shaking Rotation (wheel slot 5) 170–179 Gobo 5 - Shaking Rotation (wheel slot 6) 180–189 Gobo 6 - Shaking Rotation (wheel slot 7) 190–199 Gobo 7 - Shaking Rotation (wheel slot 8) 200–201 Open/hole (wheel slot 1) 202–218 Fast to slow - Fast 219–221 Fast to slow - Slow 222–223 No rotation middle 224–240 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
16	Gobo Rotation	128	0–0 Gobo indexing min 1–123 Fast to slow - Fast 124–127 Fast to slow - Slow 128–128 Gobo indexing center 129–231 Slow to fast - Slow 232–254 Slow to fast - Fast 255–255 Gobo indexing max
17	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
18	Beam Type	0	0–29 Beam(Beam) / Wash mode(Wash) 30–39 BeamWash(beam) / Extended Wash mode(Wash) 40–49 Extended BeamWash(Beam type) / Reserved(Wash) 50–255 Reserved
19	Zoom	128	0–254 Zoom max 255–255 Zoom min
20	Zoom Fine	0	Fine byte of Zoom
21	Focus	0	
22	Focus Fine	0	Fine byte of Focus

Mode 1 - Standard (continued)

Ch	Function	Default	DMX values
23	Focus1Adjust	0	0–0 Autofocus Off 1–7 4 metres (Iris) 8–15 7 metres (Iris) 16–23 10 metres (Iris) 24–31 15 metres (Iris) 32–39 20 metres (Iris) 40–55 30 metres (Iris) 56–63 40 metres (Iris) 64–71 4 metres (Gobo wheel 1) 72–79 7 metres (Gobo wheel 1) 80–87 10 metres (Gobo wheel 1) 88–95 15 metres (Gobo wheel 1) 96–103 20 metres (Gobo wheel 1) 104–111 30 metres (Gobo wheel 1) 112–119 40 metres (Gobo wheel 1) 120–127 50 metres (Gobo wheel 1) 128–135 4 metres (Gobo wheel 2) 136–143 7 metres (Gobo wheel 2) 144–151 10 metres (Gobo wheel 2) 152–159 15 metres (Gobo wheel 2) 160–167 20 metres (Gobo wheel 2) 168–175 30 metres (Gobo wheel 2) 176–183 40 metres (Gobo wheel 2) 184–191 50 metres (Gobo wheel 2) 192–199 4 metres (Graphic wheel) 200–207 7 metres (Graphic wheel) 208–215 10 metres (Graphic wheel) 216–223 15 metres (Graphic wheel) 224–231 20 metres (Graphic wheel) 232–239 30 metres (Graphic wheel) 240–247 40 metres (Graphic wheel) 248–254 50 metres (Graphic wheel) 255–255 infinity
24	Shaper Rot	128	
25	Blade4A	0	
26	Blade2A	0	
27	Blade1A	0	
28	Blade3A	0	

Mode 1 - Standard (continued)

Ch	Function	Default	DMX values
29	Shaper Macros	0	0–3 No function 4–7 Macro 1 8–11 Macro 2 12–15 Macro 3 16–19 Macro 4 20–23 Macro 5 24–27 Macro 6 28–31 Macro 7 32–35 Macro 8 36–39 Macro 9 40–43 Macro 10 44–47 Macro 11 48–51 Macro 12 52–55 Macro 13 56–59 Macro 14 60–63 Macro 15 64–67 Macro 16 68–71 Macro 17 72–75 Macro 18 76–79 Macro 19 80–83 Macro 20 84–87 Macro 21 88–91 Macro 22 92–95 Macro 23 96–99 Macro 24 100–103 Macro 25 104–107 Macro 26 108–111 Macro 27 112–115 Macro 28 116–119 Macro 29 120–123 Macro 30 124–127 Macro 31 128–131 Macro 32 132–135 Macro 33 136–139 Macro 34 140–143 Macro 35 144–147 Macro 36 148–151 Macro 37 152–155 Macro 38 156–159 Macro 39 160–163 Macro 40 164–167 Macro 41 168–255 NoFeature 2
30	Shaper Macros Speed	0	
31	Hot Spot	0	0–254 Max beam distribution intensity 255–255 min beam distribution intensity
32	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–94 Strobe · Slow to fast - Slow 0.3–19.4 Hz 95–95 Strobe · Slow to fast - Fast 20 Hz 96–127 open 128–140 StrobePulseOpen · Slow to fast - Slow 0.1–0.42 Hz 141–143 StrobePulseOpen · Slow to fast - Fast 0.447–0.5 Hz 144–155 StrobePulseClose · Fast to slow - Fast 0.5–0.207 Hz 156–159 StrobePulseClose · Fast to slow - Slow 0.18–0.1 Hz 160–191 open 192–223 Random strobe from slow to fast 224–255 open
33	Dimmer	0	
34	Dimmer Fine	0	Fine byte of Dimmer

Fixture model: gdtf-robe-lighting-robin-mmx-washbeam-116803
Creator: HitLight
Modifications: Made in-house by HitLight: procedural geometry from .context/catalog-fixes/20261104/housings/build.ts (hitlight-authored-hous…