Robe Lighting

Robin T11 Profile



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**8**
DMX footprint	**1, 5, 9, 13, 18, 22, 24, 28 channels**
Beam angle	**5-50°**
Tilt range	**270°**
Size (W × H × D)	**376 × 652 × 382 mm**
GDTF fixture type	**8C68FF3C-9B1F-4C3E-8CC9-68…**

Controls

Iris · CMY colour mixing · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Mode 5 - Only Dimmer	1 ch
Mode 4 - White light + dimmer	5 ch
Mode 2 - 8-bit CMY	9 ch
Mode 7 - 8-bit CMY (optional module)	13 ch
Mode 1 - 16-bit CMY	18 ch
Mode 3 - 16-bit RGBAL	22 ch
Mode 6 - 16-bit CMY (optional module)	24 ch
Mode 8 - 16-bit RGBAL (optional module)	28 ch

Mode 5 - Only Dimmer

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open

Mode 4 - White light + dimmer

5 channels

Ch	Function	Default	DMX values
1	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
2	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
3	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green
4	Dimmer	0	0–254 Closed 255–255 Open
5	Dimmer Fine	0	Fine byte of Dimmer

Mode 2 - 8-bit CMY

9 channels

Ch	Function	Default	DMX values
1	Control1	0	0–19 No function 20–24 Display On 25–29 Display Off 30–59 NoFeature 1 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 NoFeature 2 80–84 Fans On at blackout 85–89 Fans Off at blackout 90–94 Fans mode: CPC-fans OFF 95–129 NoFeature 3 130–134 Simple mode OFF 135–159 No function 160–169 Gobo and Effect wheel reset 170–189 NoFeature 5 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 No function 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… 225–239 Dimmer 16 240–240 Disabled Quiet mode 241–255 Quiet mode min to max

Mode 2 - 8-bit CMY (continued)

Ch	Function	Default	DMX values
2	Color Control	1	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1+2+6 and 8 o... 45–49 Colour mixing mode: RGB (DMX mode 1+2+6 and 7 o... 50–54 Square law 55–59 Linear 60–64 Super square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
3	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
4	Cyan	0	
5	Magenta	0	
6	Yellow	0	
7	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K

Mode 2 - 8-bit CMY (continued)

Ch	Function	Default	DMX values
8	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
9	Dimmer	0	0–254 Closed 255–255 Open

Mode 7 - 8-bit CMY (optional module)

13 channels

Ch	Function	Default	DMX values
1	Control1	0	0–19 No function 20–24 Display On 25–29 Display Off 30–59 NoFeature 1 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 NoFeature 2 80–84 Fans On at blackout 85–89 Fans Off at blackout 90–94 Fans mode: CPC-fans OFF 95–129 NoFeature 3 130–134 Simple mode OFF 135–159 No function 160–169 Gobo and Effect wheel reset 170–189 NoFeature 5 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 No function 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… 225–239 Dimmer 16 240–240 Disabled Quiet mode 241–255 Quiet mode min to max

Mode 7 - 8-bit CMY (optional module) (continued)

Ch	Function	Default	DMX values
2	Color Control	1	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1+2+6 and 8 o... 45–49 Colour mixing mode: RGB (DMX mode 1+2+6 and 7 o... 50–54 Square law 55–59 Linear 60–64 Super square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
3	C RIMode	0	0–254 CRI 80 255–255 CRI 90+
4	Cyan	0	
5	Magenta	0	
6	Yellow	0	
7	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
8	Gobo	0	0–4 Open/hole (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–255 Open/hole (end) (wheel slot 1)

Mode 7 - 8-bit CMY (optional module) (continued)

Ch	Function	Default	DMX values
9	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 1 - Rotation (wheel slot 2) 20–24 Gobo 2 - Rotation (wheel slot 3) 25–255 Open/hole (wheel slot 1)
10	Gobo Rotation 2	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 Gobo indexing max 232–255 Slow to fast - Fast
11	Iris	0	0–179 Open 180–191 Closed 192–216 Slow to fast - Slow 217–219 Slow to fast - Fast 220–243 Fast to slow - Fast 244–247 Fast to slow - Slow 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
12	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
13	Dimmer	0	0–254 Closed 255–255 Open

Mode 1 - 16-bit CMY

18 channels

Ch	Function	Default	DMX values

Mode 1 - 16-bit CMY (continued)

Ch	Function	Default	DMX values
1	Control1	0	0–19 No function 20–24 Display On 25–29 Display Off 30–59 NoFeature 1 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 NoFeature 2 80–84 Fans On at blackout 85–89 Fans Off at blackout 90–94 Fans mode: CPC-fans OFF 95–129 NoFeature 3 130–134 Simple mode OFF 135–159 No function 160–169 Gobo and Effect wheel reset 170–189 NoFeature 5 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 No function 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… 225–239 Dimmer 16 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
2	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 (25000 Hz) 30–255 NoFeature
3	L EDFrequency Adjust	128	

Mode 1 - 16-bit CMY (continued)

Ch	Function	Default	DMX values
4	Color Control	1	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1+2+6 and 8 o... 45–49 Colour mixing mode: RGB (DMX mode 1+2+6 and 7 o... 50–54 Square law 55–59 Linear 60–64 Super square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
5	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 1 - 16-bit CMY (continued)

Ch	Function	Default	DMX values
6	Color Wheel	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 - 16-bit CMY (continued)

Ch	Function	Default	DMX values
7	Cyan	0	
8	Cyan Fine	0	Fine byte of Cyan
9	Magenta	0	
10	Magenta Fine	0	Fine byte of Magenta
11	Yellow	0	
12	Yellow Fine	0	Fine byte of Yellow
13	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
14	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green
15	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
16	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
17	Dimmer	0	0–254 Closed 255–255 Open
18	Dimmer Fine	0	Fine byte of Dimmer

Mode 3 - 16-bit RGBAL

22 channels

Ch	Function	Default	DMX values

Mode 3 - 16-bit RGBAL (continued)

Ch	Function	Default	DMX values
1	Control1	0	0–19 No function 20–24 Display On 25–29 Display Off 30–59 NoFeature 1 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 NoFeature 2 80–84 Fans On at blackout 85–89 Fans Off at blackout 90–94 Fans mode: CPC-fans OFF 95–129 NoFeature 3 130–134 Simple mode OFF 135–159 No function 160–169 Gobo and Effect wheel reset 170–189 NoFeature 5 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 No function 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… 225–239 Dimmer 16 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
2	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 (25000 Hz) 30–255 NoFeature
3	L EDFrequency Adjust	128	

Mode 3 - 16-bit RGBAL (continued)

Ch	Function	Default	DMX values
4	Color Control	1	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1+2+6 and 8 o... 45–49 Colour mixing mode: RGB (DMX mode 1+2+6 and 7 o... 50–54 Square law 55–59 Linear 60–64 Super square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
5	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 3 - 16-bit RGBAL (continued)

Ch	Function	Default	DMX values
6	Color Wheel	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 3 - 16-bit RGBAL (continued)

Ch	Function	Default	DMX values
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	Color Add RY	255	
14	Color Add RY Fine	255	Fine byte of Color Add RY
15	Color Add GY	255	
16	Color Add GY Fine	255	Fine byte of Color Add GY
17	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
18	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green
19	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
20	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
21	Dimmer	0	0–254 Closed 255–255 Open
22	Dimmer Fine	0	Fine byte of Dimmer

Mode 6 - 16-bit CMY (optional module)

24 channels

Ch	Function	Default	DMX values
1	Control1	0	0–19 No function 20–24 Display On 25–29 Display Off 30–59 NoFeature 1 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 NoFeature 2 80–84 Fans On at blackout 85–89 Fans Off at blackout 90–94 Fans mode: CPC-fans OFF 95–129 NoFeature 3 130–134 Simple mode OFF 135–159 No function 160–169 Gobo and Effect wheel reset 170–189 NoFeature 5 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 No function 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… 225–239 Dimmer 16 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
2	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 (25000 Hz) 30–255 NoFeature
3	L EDFrequency Adjust	128	

Mode 6 - 16-bit CMY (optional module) (continued)

Ch	Function	Default	DMX values
4	Color Control	1	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1+2+6 and 8 o... 45–49 Colour mixing mode: RGB (DMX mode 1+2+6 and 7 o... 50–54 Square law 55–59 Linear 60–64 Super square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
5	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 6 - 16-bit CMY (optional module) (continued)

Ch	Function	Default	DMX values
6	Color Wheel	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 6 - 16-bit CMY (optional module) (continued)

Ch	Function	Default	DMX values
7	Cyan	0	
8	Cyan Fine	0	Fine byte of Cyan
9	Magenta	0	
10	Magenta Fine	0	Fine byte of Magenta
11	Yellow	0	
12	Yellow Fine	0	Fine byte of Yellow
13	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
14	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green
15	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
16	Gobo	0	0–4 Open/hole (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–255 Open/hole (end) (wheel slot 1)
17	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 1 - Rotation (wheel slot 2) 20–24 Gobo 2 - Rotation (wheel slot 3) 25–255 Open/hole (wheel slot 1)
18	Gobo Rotation 2	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 232–255 Slow to fast - Fast
19	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 6 - 16-bit CMY (optional module) (continued)

Ch	Function	Default	DMX values
20	Iris	0	0–179 Open 180–191 Closed 192–216 Slow to fast - Slow 217–219 Slow to fast - Fast 220–243 Fast to slow - Fast 244–247 Fast to slow - Slow 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
21	Iris Fine	0	Fine byte of Iris
22	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
23	Dimmer	0	0–254 Closed 255–255 Open
24	Dimmer Fine	0	Fine byte of Dimmer

Mode 8 - 16-bit RGBAL (optional module)

28 channels

Ch	Function	Default	DMX values
1	Control1	0	0–19 No function 20–24 Display On 25–29 Display Off 30–59 NoFeature 1 60–64 BO while Gobo moving: ON 65–69 BO while Gobo moving: OFF 70–74 Fan mode Auto 75–79 NoFeature 2 80–84 Fans On at blackout 85–89 Fans Off at blackout 90–94 Fans mode: CPC-fans OFF 95–129 NoFeature 3 130–134 Simple mode OFF 135–159 No function 160–169 Gobo and Effect wheel reset 170–189 NoFeature 5 190–199 Iris /framing shutters/effect wheel reset 200–209 Total fixture reset 210–211 Green/Blue correction calibration 212–218 No function 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… 225–239 Dimmer 16 240–240 Disabled Quiet mode 241–255 Quiet mode min to max

Mode 8 - 16-bit RGBAL (optional module) (continued)

Ch	Function	Default	DMX values
2	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 (25000 Hz) 30–255 NoFeature
3	L EDFrequency Adjust	128	
4	Color Control	1	0–29 No function 30–34 Standard CTO 8000-2700K 35–39 Extended CTO 10000-1800K 40–44 Colour mixing mode: CMY (DMX mode 1+2+6 and 8 o... 45–49 Colour mixing mode: RGB (DMX mode 1+2+6 and 7 o... 50–54 Square law 55–59 Linear 60–64 Super square law 65–79 NoFeature 1 80–84 Tungsten effect simulation (750W): On 85–89 Tungsten effect simulation (1000W): On 90–94 Tungsten effect simulation (1200W): On 95–99 Tungsten effect simulation (2000W): On 100–104 Tungsten effect simulation (2500W): On 105–109 Tungsten effect simulation: Off 110–114 Save user colour 115–119 Chromatic white On 120–124 Chromatic white Off 125–129 Light output stability On 130–134 Light output stability Off 135–139 Uniformity On 140–144 Uniformity Off 145–152 No function 153–154 1800K/High intensity 155–156 2700K/High intensity 157–158 3200K/High intensity 159–160 4200K/High intensity 161–162 5600K/High intensity 163–164 8000K/High intensity 165–166 10000K/High intensity 167–168 1800K/High CRI 169–170 2700K/High CRI 171–172 3200K/High CRI 173–174 4200K/High CRI 175–176 5600K/High CRI 177–178 8000K/High CRI 179–180 10000K/High CRI 181–182 Save Green/Blue correction 183–255 NoFeature 3
5	C RIMode	0	0–254 CRI 80 255–255 CRI 90+

Mode 8 - 16-bit RGBAL (optional module) (continued)

Ch	Function	Default	DMX values
6	Color Wheel	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 8 - 16-bit RGBAL (optional module) (continued)

Ch	Function	Default	DMX values
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	Color Add RY	255	
14	Color Add RY Fine	255	Fine byte of Color Add RY
15	Color Add GY	255	
16	Color Add GY Fine	255	Fine byte of Color Add GY
17	C TO	110	0–1 8000 K 2–64 7978 K - > 6622 K 65–65 6600 K 66–109 6578K - > 5622 K 110–110 5600 K 111–179 5580 K - > 4220 K 180–180 4200 K 181–229 4180 K - > 3220 K 230–230 3200 K 231–254 3180 K - > 2720 K 255–255 2700K
18	Tint	128	0–0 Uncorrected white 1–127 Minus green - > Uncorrected white 128–128 Uncorrected white 129–255 Uncorrected white - > Plus green
19	Color Mix Mode	0	0–9 Virtual colours (Virtual has priority) 10–19 Maximum mode (highest values have priority) 20–29 Minimum mode (lowest values have priority) 30–39 Multiply mode (multiply Virtual and Colour mix) 40–49 Addition mode (Virtual + Colour mix) 50–59 Subtraction mode (Virtual - Colour mix) 60–69 Inverted Subtraction mode (Colour mix - Virtual) 70–79 White Point Off 80–128 Reserved 129–129 Crossfade Virtual only 130–254 Crossfade between Virtual and Colour mix 255–255 Crossfade Color mix only
20	Gobo	0	0–4 Open/hole (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–255 Open/hole (end) (wheel slot 1)
21	Gobo 2	0	0–4 Open/hole (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 1 - Rotation (wheel slot 2) 20–24 Gobo 2 - Rotation (wheel slot 3) 25–255 Open/hole (wheel slot 1)
22	Gobo Rotation 2	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 232–255 Slow to fast - Fast
23	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2

Mode 8 - 16-bit RGBAL (optional module) (continued)

Ch	Function	Default	DMX values
24	Iris	0	0–179 Open 180–191 Closed 192–216 Slow to fast - Slow 217–219 Slow to fast - Fast 220–243 Fast to slow - Fast 244–247 Fast to slow - Slow 248–249 Random pulse opening fast 250–251 Random pulse opening slow 252–253 Random pulse closing fast 254–255 Random pulse closing slow
25	Iris Fine	0	Fine byte of Iris
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	0–254 Closed 255–255 Open
28	Dimmer Fine	0	Fine byte of Dimmer