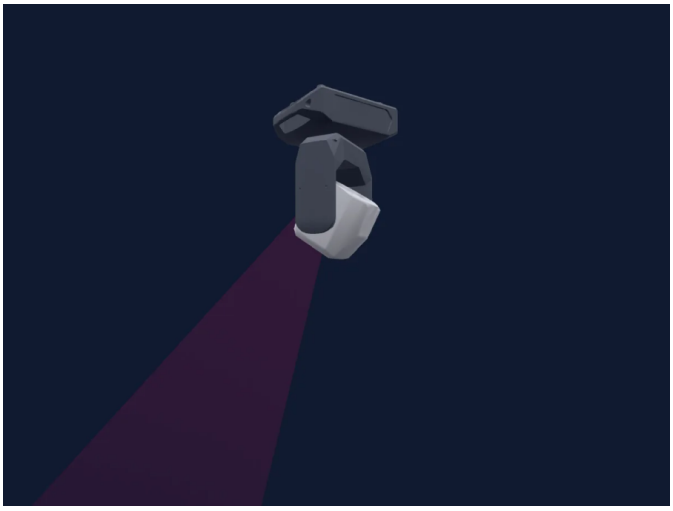
Cameo

Evos W3



Manufacturer	**Cameo**
Type	**Moving head**
DMX modes	**10**
DMX footprint	**11, 15, 16, 18, 23, 33, 43 channels**
Beam angle	**5-55°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**2**
Size (W × H × D)	**195 × 180 × 160 mm**
GDTF fixture type	**8FB58063-E513-4361-8977-342…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Movement speed

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

11-CH RGB Pixel Split Mode (dual input control)	11 ch
11-CH RGBW Pixel Split Mode (dual input control)	11 ch
39-CH RGBW Pixel Mode	15 ch
16-CH Mode RGBW	16 ch
18-CH RGB Pixel Split Mode (dual input control)	18 ch
18-CH RGBW Pixel Split Mode (dual input control)	18 ch
18-CH Wash Light HSI Mode (Calibrated)	18 ch
23-CH Wash Light RBGW Mode	23 ch
33-CH Mode HSI Pattern Mode (Calibrated)	33 ch
43-CH Mode RGBW Pattern Mode	43 ch

11-CH RGB Pixel Split Mode (dual input control)

11 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	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 open 6–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
9	Zoom Fine	127	Fine byte of Zoom
10	Position MSpeed	0	0–254 fast 255–255 slow

11-CH RGB Pixel Split Mode (dual input control) (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function

11-CH RGBW Pixel Split Mode (dual input control)

11 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	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer

11-CH RGBW Pixel Split Mode (dual input control) (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–5 open 6–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
9	Zoom Fine	127	Fine byte of Zoom
10	Position MSpeed	0	0–254 fast 255–255 slow

11-CH RGBW Pixel Split Mode (dual input control) (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function

39-CH RGBW Pixel Mode

15 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	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer

39-CH RGBW Pixel Mode (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0… 127–127 Strobe break effect · 1s short burst with break 0.5 … 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
9	Zoom Fine	127	Fine byte of Zoom
10	Position MSpeed	0	0–254 fast 255–255 slow

39-CH RGBW Pixel Mode (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function
12	Red	255	
13	Green	255	
14	Blue	255	
15	White	255	

16-CH Mode RGBW

16 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	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer
7	Red	255	

16-CH Mode RGBW (continued)

Ch	Function	Default	DMX values
8	Green	255	
9	Blue	255	
10	Color Add WW	255	
11	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
12	Effect	0	0–5 No effect 6–10 Effect 1 11–15 Effect 2 16–20 Effect 3 21–25 Effect 4 26–30 Effect 5 31–35 Effect 6 36–40 Effect 7 41–45 Effect 8 46–50 Effect 9 51–55 Effect 10 56–60 Effect 11 61–65 Effect 12 66–70 Effect 13 71–75 Effect 14 76–80 Effect 15 Random Single Dots Jump 81–85 Effect 16 Random Single Dots Fade 86–90 Effect 17 91–95 Effect 18 96–100 Effect 19 All Effects 101–255 All LEDs on
13	Effect Speed	0	0–5 Effect Pattern stop 6–126 Effect Pattern Speed slow forward 127–127 Effect Pattern Speed fast forward 128–254 Effect Pattern Speed fast backward 255–255 Effect Pattern Speed slow backward
14	Pan Tilt Mode	0	0–5 No Pan/Tilt Macro 6–40 Pan small -> large 41–75 Tilt small -> large 76–110 Pan / Tilt small -> large 111–145 Pan / Tilt (invers) small -> large 146–180 Circle small -> large 181–215 Circle (invers) small -> large 216–255 Random small -> large
15	Position MSpeed	0	0–254 fast 255–255 slow

16-CH Mode RGBW (continued)

Ch	Function	Default	DMX values
16	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function

18-CH RGB Pixel Split Mode (dual input control)

18 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	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer

18-CH RGB Pixel Split Mode (dual input control) (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–5 open 6–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	C TC	0	0–5 no function 6–8 Bulb white (2700K) 9–11 Halogen white (3200K) 12–14 Neutral white (4000K) 15–17 Studio white (5600K) 18–20 Daylight white (6500K) 21–254 1600K 255–255 7500K
13	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green
14	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
15	Zoom Fine	127	Fine byte of Zoom
16	Color Mix Mode	0	0–5 Pixel controlled by CH10 thru CH15 6–249 Linear crossfade to second input 250–255 Pixel controlled by second protocol
17	Position MSpeed	0	0–254 fast 255–255 slow

18-CH RGB Pixel Split Mode (dual input control) (continued)

Ch	Function	Default	DMX values
18	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function

18-CH RGBW Pixel Split Mode (dual input control)

18 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	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer

18-CH RGBW Pixel Split Mode (dual input control) (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–5 open 6–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	C TC	0	0–5 no function 6–8 Bulb white (2700K) 9–11 Halogen white (3200K) 12–14 Neutral white (4000K) 15–17 Studio white (5600K) 18–20 Daylight white (6500K) 21–254 1600K 255–255 7500K
13	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green
14	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
15	Zoom Fine	127	Fine byte of Zoom
16	Color Mix Mode	0	0–5 Pixel controlled by CH10 thru CH15 6–249 Linear crossfade to second input 250–255 Pixel controlled by second protocol
17	Position MSpeed	0	0–254 fast 255–255 slow

18-CH RGBW Pixel Split Mode (dual input control) (continued)

Ch	Function	Default	DMX values
18	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function

18-CH Wash Light HSI Mode (Calibrated)

18 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	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer

18-CH Wash Light HSI Mode (Calibrated) (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	H SBHue	0	
9	H SBHue Fine	0	Fine byte of H SBHue
10	H SBSaturation	0	0–254 CCT 255–255 hue
11	C TC	0	0–5 no function 6–8 Bulb white (2700K) 9–11 Halogen white (3200K) 12–14 Neutral white (4000K) 15–17 Studio white (5600K) 18–20 Daylight white (6500K) 21–254 1600K 255–255 7500K
12	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

18-CH Wash Light HSI Mode (Calibrated) (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–204 Color Jumping stop 205–230 Color Jumping speed slow -> fast 231–255 Color Fading speed slow -> fast
14	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
15	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
16	Zoom Fine	127	Fine byte of Zoom

18-CH Wash Light HSI Mode (Calibrated) (continued)

Ch	Function	Default	DMX values
17	Position MSpeed	0	0–254 fast 255–255 slow
18	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function

23-CH Wash Light RBGW Mode

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	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer

23-CH Wash Light RBGW Mode (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add WW	255	
15	Color Add WW Fine	255	Fine byte of Color Add WW
16	C TC	0	0–5 no function 6–8 Bulb white (2700K) 9–11 Halogen white (3200K) 12–14 Neutral white (4000K) 15–17 Studio white (5600K) 18–20 Daylight white (6500K) 21–254 1600K 255–255 7500K
17	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

23-CH Wash Light RBGW Mode (continued)

Ch	Function	Default	DMX values
18	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–204 Color Jumping stop 205–230 Color Jumping speed slow -> fast 231–255 Color Fading speed slow -> fast
19	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
20	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
21	Zoom Fine	127	Fine byte of Zoom

23-CH Wash Light RBGW Mode (continued)

Ch	Function	Default	DMX values
22	Position MSpeed	0	0–254 fast 255–255 slow
23	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function

33-CH Mode HSI Pattern Mode (Calibrated)

33 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer

33-CH Mode HSI Pattern Mode (Calibrated) (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	H SBHue	0	0–22 red 23–83 yellow 84–134 green 135–162 cyan 163–188 blue 189–254 magenta 255–255 red
9	H SBHue Fine	0	Fine byte of H SBHue
10	H SBSaturation	0	0–254 CCT 255–255 hue
11	C TC	0	0–5 no function 6–8 Bulb white (2700K) 9–11 Halogen white (3200K) 12–14 Neutral white (4000K) 15–17 Studio white (5600K) 18–20 Daylight white (6500K) 21–254 1600K 255–255 7500K
12	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

33-CH Mode HSI Pattern Mode (Calibrated) (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–204 Color Jumping stop 205–230 Color Jumping speed slow -> fast 231–255 Color Fading speed slow -> fast
14	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
15	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
16	Zoom Fine	127	Fine byte of Zoom

33-CH Mode HSI Pattern Mode (Calibrated) (continued)

Ch	Function	Default	DMX values
17	Pattern Folder	0	0–5 off (background functions disabled) 6–64 Pattern 1 (background functions enabled) 65–128 Pattern 2 (background functions enabled) 129–255 Running Effect Pattern (background functions ena...
18	Pattern	0	0–5 off (washlight Mode) 6–255 pattern Nr
19	Pattern Speed	0	0–5 Effect Pattern stop 6–126 Effect Pattern speed slow forward 127–127 Effect Pattern speed fast forward 128–254 Effect Pattern speed fast Backward 255–255 Effect Pattern speed slow backward
20	Pattern Transition	0	0–5 Stop 6–255 1/10s - 5s
21	Pattern Fade	0	0–5 off 6–127 Fade Effect Pattern 0-100% 128–255 Wake Effect Pattern 0-100%
22	Dimmer	0	
23	Dimmer Fine	0	Fine byte of Dimmer
24	Shutter / Strobe	0	0–9 open 10–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
25	H SBHue	0	0–22 red 23–83 yellow 84–134 green 135–162 cyan 163–188 blue 189–254 magenta 255–255 red
26	H SBHue Fine	0	Fine byte of H SBHue
27	H SBSaturation	0	0–254 CCT 255–255 hue
28	C TC	0	0–5 no function 6–8 Bulb white (2700K) 9–11 Halogen white (3200K) 12–14 Neutral white (4000K) 15–17 Studio white (5600K) 18–20 Daylight white (6500K) 21–254 1600K 255–255 7500K
29	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

33-CH Mode HSI Pattern Mode (Calibrated) (continued)

Ch	Function	Default	DMX values
30	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–204 Color Jumping stop 205–230 Color Jumping speed slow -> fast 231–255 Color Fading speed slow -> fast
31	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
32	Position MSpeed	0	0–254 fast 255–255 slow

33-CH Mode HSI Pattern Mode (Calibrated) (continued)

Ch	Function	Default	DMX values
33	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function

43-CH Mode RGBW Pattern Mode

43 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	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer

43-CH Mode RGBW Pattern Mode (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	White	255	
15	White Fine	255	Fine byte of White
16	C TC	0	0–5 no function 6–8 Bulb white (2700K) 9–11 Halogen white (3200K) 12–14 Neutral white (4000K) 15–17 Studio white (5600K) 18–20 Daylight white (6500K) 21–254 1800K 255–255 7500K
17	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

43-CH Mode RGBW Pattern Mode (continued)

Ch	Function	Default	DMX values
18	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–204 Color Jumping stop 205–230 Color Jumping speed slow -> fast 231–255 Color Fading speed slow -> fast
19	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
20	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
21	Zoom Fine	127	Fine byte of Zoom

43-CH Mode RGBW Pattern Mode (continued)

Ch	Function	Default	DMX values
22	Pattern Folder	0	0–5 off (background functions disabled) 6–64 Pattern 1 (background functions enabled) 65–128 Pattern 2 (background functions enabled) 129–255 Running Effect Pattern (background functions ena...
23	Pattern	0	0–5 off (washlight Mode) 6–255 pattern Nr
24	Pattern Speed	0	0–5 Effect Pattern stop 6–126 Effect Pattern speed slow forward 127–127 Effect Pattern speed fast forward 128–254 Effect Pattern speed fast Backward 255–255 Effect Pattern speed slow backward
25	Pattern Transition	0	0–5 Stop 6–255 1/10s - 5s
26	Pattern Fade	0	0–5 off 6–127 Fade Effect Pattern 0-100% 128–255 Wake Effect Pattern 0-100%
27	Dimmer	0	
28	Dimmer Fine	0	Fine byte of Dimmer
29	Shutter / Strobe	0	0–9 open 10–10 closed 11–32 Pulse random · slow 0.05–0.957 Hz 33–33 Pulse random · fast 1 Hz 34–55 Ramp up random · slow 0.1–1.91 Hz 56–56 Ramp up random · fast 2 Hz 57–78 Ramp down random · slow 0.05–1.91 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random strobe effect · slow 0.2–3.83 Hz 102–102 Random strobe effect · fast 4 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
30	Red	255	
31	Red Fine	255	Fine byte of Red
32	Green	255	
33	Green Fine	255	Fine byte of Green
34	Blue	255	
35	Blue Fine	255	Fine byte of Blue
36	White	255	
37	White Fine	255	Fine byte of White
38	C TC	0	0–5 no function 6–8 Bulb white (2700K) 9–11 Halogen white (3200K) 12–14 Neutral white (4000K) 15–17 Studio white (5600K) 18–20 Daylight white (6500K) 21–254 1600K 255–255 7500K
39	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

43-CH Mode RGBW Pattern Mode (continued)

Ch	Function	Default	DMX values
40	Color Wheel	0	0–5 No function (wheel slot 1) 6–9 46 Dark Magenta (wheel slot 2) 10–13 29 Plasa Red (wheel slot 3) 14–17 26 Bright Red (wheel slot 4) 18–21 127 Smokey Pink (wheel slot 5) 22–25 36 Medium Pink (wheel slot 6) 26–29 19 Fire (wheel slot 7) 30–33 135 Deep Golden Amber (wheel slot 8) 34–37 778 Millennium Gold (wheel slot 9) 38–41 21 Gold Amber (wheel slot 10) 42–45 157 Pink (wheel slot 11) 46–49 110 Middle Rose (wheel slot 12) 50–53 109 Light Salmon (wheel slot 13) 54–57 35 Light Pink (wheel slot 14) 58–61 134 Golden Amber (wheel slot 15) 62–65 746 Brown (wheel slot 16) 66–69 105 Orange (wheel slot 17) 70–73 20 Medium Amber (wheel slot 18) 74–77 768 Egg Yolk Yellow (wheel slot 19) 78–81 15 Deep Straw (wheel slot 20) 82–85 767 Oklahoma Yellow (wheel slot 21) 86–89 101 Yellow (wheel slot 22) 90–93 100 Spring Yellow (wheel slot 23) 94–97 88 Lime Green (wheel slot 24) 98–101 121 LEE Green (wheel slot 25) 102–105 738 Jas Green (wheel slot 26) 106–109 89 Moss Green (wheel slot 27) 110–113 139 Primary Green (wheel slot 28) 114–117 124 Dark Green (wheel slot 29) 118–121 323 Jade (wheel slot 30) 122–125 354 Special Steel Blue (wheel slot 31) 126–129 116 Medium Blue-Green (wheel slot 32) 130–133 183 Moonlight Blue (wheel slot 33) 134–137 132 Medium Blue (wheel slot 34) 138–141 119 Dark Blue (wheel slot 35) 142–145 716 Mikkel Blue (wheel slot 36) 146–149 71 Tokyo Blue (wheel slot 37) 150–153 181 Congo Blue (wheel slot 38) 154–157 799 Special KH Lavender (wheel slot 39) 158–161 707 Ultimate Violet (wheel slot 40) 162–165 343 Special Medium Lavender (wheel slot 41) 166–169 798 Chrysalis Pink (wheel slot 42) 170–173 701 Provence (wheel slot 43) 174–177 797 Deep Purple (wheel slot 44) 178–181 48 Rose Purple (wheel slot 45) 182–185 345 Fuchsia Pink (wheel slot 46) 186–189 795 Magical Magenta (wheel slot 47) 190–193 128 Bright Pink (wheel slot 48) 194–197 2 Rose Pink (wheel slot 49) 198–201 2 Rose Pink (wheel slot 50) 202–204 Color Jumping stop 205–230 Color Jumping speed slow -> fast 231–255 Color Fading speed slow -> fast
41	Color Mix MSpeed	0	0–5 0s 6–105 1/10s - 10s 106–214 11s - 119s 215–244 2m - 4m50s 245–255 5m - 15m
42	Position MSpeed	0	0–254 fast 255–255 slow

43-CH Mode RGBW Pattern Mode (continued)

Ch	Function	Default	DMX values
43	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 No function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–72 Invert Tilt off (hold 3s) 73–73 No function 74–75 Dimmer Response LED (Hold 2 s) 76–96 Dimmer Response (Hold 2 s) 97–97 No function 98–99 Silent Fan (Hold 3s) 100–101 Auto Fan (Hold 3s) 102–118 Normal Fan (hold 3s) 119–119 No function 120–121 PWM 800 Hz (hold 3s) 122–123 PWM 1200 Hz (hold 3s) 124–125 PWM 2000 Hz (hold 3s) 126–127 PWM 3600 Hz (hold 3s) 128–129 PWM 12 kHz (hold 3s) 130–138 PWM 25 kHz (hold 3s) 139–139 No function 140–141 Display on (Hold 3s) 142–159 Display off (Hold 3s) 160–163 No function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–171 Dimmer Curve S-Curve (Hold 3s) 172–175 LED arrangement normal (hold 3s) 176–179 LED arrangement 180 (hold 3s) 180–200 LED arrangement mirrored (hold 3s) 201–201 No function 202–203 Raw (hold 3s) 204–205 Calibrated (hold 3s) 206–207 User (hold 3s) 208–221 No function 222–227 Reset Pan / Tilt (Hold 3s) 228–235 Reset Zoom (hold 3s) 236–237 Reset All Functions (Hold 3s) 238–255 No function