

EVOS® W7

LED WASH-BEAM MOVING HEAD
WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



87-CH RGB(W) Pixel Mode						DMX, W-DMX, Art-Net, sACN	Art-Net + DMX, sACN + DMX	Kling-Net + DMX
CH1	Pan	000	-	255	0% to 100 %	DMX Address 001 – 426	Main Address 001-502	Main Address (DMX) 001-502
CH2	Pan Fine	000	-	255	0% to 100 %			
CH3	Tilt	000	-	255	0% to 100 %			
CH4	Tilt Fine	000	-	255	0% to 100 %			
CH5	Dimmer	000	-	255	Master Dimmer 0–100 %			
CH6	Dimmer Fine	000	-	255	Master Fine Dimmer 0–100 %			
CH7	Strobe	000	-	005	Strobe open			
		006	-	010	Strobe closed			
		011	-	033	Pulse random, slow -> fast			
		034	-	056	Ramp up random, slow -> fast			
		057	-	079	Ramp down random, slow -> fast			
		080	-	102	Random strobe effect, slow -> fast			
		103	-	127	Strobe break effect, 5 s.....1 s (very short flash)			
		128	-	250	Strobe slow -> fast <1 Hz -> 20 Hz			
		251	-	255	Strobe open			
CH8	Zoom	000	-	255	narrow – wide			
CH9	Zoom Fine	000	-	255	0% to 100 %			
CH10	Pan/Tilt Speed	000	-	255	Movement Speed fast -> slow			
CH11	Device settings	000	-	005	no function			
		006	-	007	Blackout while moving on (hold 3 s)			
		008	-	009	Blackout while moving off (hold 3 s)			
		010	-	041	Spare			
		042	-	043	Invert Pan on (hold 3 s)			
		044	-	045	Invert Pan off (hold 5 s)			
		046	-	047	Invert Tilt on (hold 3 s)			
		048	-	049	Invert Tilt off (hold 5 s)			
		050	-	073	Spare			
		074	-	075	Dimmer response LED (hold 3 s)			
		076	-	077	Dimmer response halogen (hold 3 s)			
		078	-	097	Spare			
		098	-	099	Silent Fan (hold 3 s)			
		100	-	101	Auto Fan (hold 3 s)			
		102	-	103	Normal Fan (hold 3 s)			
		104	-	119	Spare			
		120	-	121	LED PWM frequency 800 Hz (hold 3 s)			
		122	-	123	LED PWM frequency 1200 Hz (hold 3 s)			
		124	-	125	LED PWM frequency 2000 Hz (hold 3 s)			

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CH11	Device settings (please read remark 1*)	126	-	127	LED PWM frequency 3600Hz (hold 3 s)
		128	-	129	LED PWM frequency 12 kHz (hold 3 s)
		130	-	131	LED PWM frequency 25 kHz (hold 3 s)
		132	-	139	Spare
		140	-	141	Display on (hold 3 s)
		142	-	143	Display off (hold 3 s)
		144	-	163	Spare
		164	-	165	Dimmer curve linear (hold 3 s)
		166	-	167	Dimmer curve exponential (hold 3 s)
		168	-	169	Dimmer curve logarithmic (hold 3 s)
		170	-	171	Dimmer curve s-curve (hold 3 s)
		172	-	173	LED arrangement normal (hold 3 s) (standard)
		174	-	175	LED arrangement 90° (hold 3 s)
		176	-	177	LED arrangement 180° (hold 3 s)
		178	-	179	LED arrangement 270° (hold 3 s)
		180	-	181	LED arrangement mirrored (hold 3 s)
		182	-	221	Spare
		222	-	223	Reset Pan/Tilt (hold 3 s)
		224	-	227	Spare
		228	-	229	Reset Zoom (hold 3 s)
		230	-	235	Spare
		236	-	237	Reset all functions (hold 3 s)
		238	-	245	Spare
		246	-	255	no function

		Pixel Mode							
		RGBW	RGB						
CH12	CH1	CH1	Red 1	000	-	255	0 % to 100 %	Pixel Address RGBW Pixel Mode 001-437 RGB Pixel Mode 001-456	Kling-Net
CH13	CH2	CH2	Green 1	000	-	255	0 % to 100 %		
CH14	CH3	CH3	Blue 1	000	-	255	0 % to 100 %		
CH15	CH4		White 1	000	-	255	0 % to 100 %		
CH16	CH5	CH4	Red 2	000	-	255	0 % to 100 %		
CH17	CH6	CH5	Green 2	000	-	255	0 % to 100 %		
CH18	CH7	CH6	Blue 2	000	-	255	0 % to 100 %		
CH19	CH8		White 2	000	-	255	0 % to 100 %		
CH20	CH9	CH7	Red 3	000	-	255	0 % to 100 %		
CH21	CH10	CH8	Green 3	000	-	255	0 % to 100 %		
CH22	CH11	CH9	Blue 3	000	-	255	0 % to 100 %		
CH23	CH12		White 3	000	-	255	0 % to 100 %		
CH24	CH13	CH10	Red 4	000	-	255	0 % to 100 %		

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CH25	CH14	CH11	Green 4	000	-	255	0% to 100%	Pixel Address RGBW Pixel Mode 001-437 RGB Pixel Mode 001-456	Kling-Net
CH26	CH15	CH12	Blue 4	000	-	255	0% to 100%		
CH27	CH16		White 4	000	-	255	0% to 100%		
CH28	CH17	CH13	Red 5	000	-	255	0% to 100%		
CH29	CH18	CH14	Green 5	000	-	255	0% to 100%		
CH30	CH19	CH15	Blue 5	000	-	255	0% to 100%		
CH31	CH20		White 5	000	-	255	0% to 100%		
CH32	CH21	CH16	Red 6	000	-	255	0% to 100%		
CH33	CH22	CH17	Green 6	000	-	255	0% to 100%		
CH34	CH23	CH18	Blue 6	000	-	255	0% to 100%		
CH35	CH24		White 6	000	-	255	0% to 100%		
CH36	CH25	CH19	Red 7	000	-	255	0% to 100%		
CH37	CH26	CH20	Green 7	000	-	255	0% to 100%		
CH38	CH27	CH21	Blue 7	000	-	255	0% to 100%		
CH39	CH28		White 7	000	-	255	0% to 100%		
CH40	CH29	CH22	Red 8	000	-	255	0% to 100%		
CH41	CH30	CH23	Green 8	000	-	255	0% to 100%		
CH42	CH31	CH24	Blue 8	000	-	255	0% to 100%		
CH43	CH32		White 8	000	-	255	0% to 100%		
CH44	CH33	CH25	Red 9	000	-	255	0% to 100%		
CH45	CH34	CH26	Green 9	000	-	255	0% to 100%		
CH46	CH35	CH27	Blue 9	000	-	255	0% to 100%		
CH47	CH36		White 9	000	-	255	0% to 100%		
CH48	CH37	CH28	Red 10	000	-	255	0% to 100%		
CH49	CH38	CH29	Green 10	000	-	255	0% to 100%		
CH50	CH39	CH30	Blue 10	000	-	255	0% to 100%		
CH51	CH40		White 10	000	-	255	0% to 100%		
CH52	CH41	CH31	Red 11	000	-	255	0% to 100%		
CH53	CH42	CH32	Green 11	000	-	255	0% to 100%		
CH54	CH43	CH33	Blue 11	000	-	255	0% to 100%		
CH55	CH44		White 11	000	-	255	0% to 100%		
CH56	CH45	CH34	Red 12	000	-	255	0% to 100%		
CH57	CH46	CH35	Green 12	000	-	255	0% to 100%		
CH58	CH47	CH36	Blue 12	000	-	255	0% to 100%		
CH59	CH48		White 12	000	-	255	0% to 100%		
CH60	CH49	CH37	Red 13	000	-	255	0% to 100%		
CH61	CH50	CH38	Green 13	000	-	255	0% to 100%		
CH62	CH51	CH39	Blue 13	000	-	255	0% to 100%		
CH63	CH52		White 13	000	-	255	0% to 100%		
CH64	CH53	CH40	Red 14	000	-	255	0% to 100%		
CH65	CH54	CH41	Green 14	000	-	255	0% to 100%		

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CH66	CH55	CH42	Blue 14	000	-	255	0% to 100%	Pixel Address RGBW Pixel Mode 001-437 RGB Pixel Mode 001-456	Kling-Net
CH67	CH56		White 14	000	-	255	0% to 100%		
CH68	CH57	CH43	Red 15	000	-	255	0% to 100%		
CH69	CH58	CH44	Green 15	000	-	255	0% to 100%		
CH70	CH59	CH45	Blue 15	000	-	255	0% to 100%		
CH71	CH60		White 15	000	-	255	0% to 100%		
CH72	CH61	CH46	Red 16	000	-	255	0% to 100%		
CH73	CH62	CH47	Green 16	000	-	255	0% to 100%		
CH74	CH63	CH48	Blue 16	000	-	255	0% to 100%		
CH75	CH64		White 16	000	-	255	0% to 100%		
CH76	CH65	CH49	Red 17	000	-	255	0% to 100%		
CH77	CH66	CH50	Green 17	000	-	255	0% to 100%		
CH78	CH67	CH51	Blue 17	000	-	255	0% to 100%		
CH79	CH68		White 17	000	-	255	0% to 100%		
CH80	CH69	CH52	Red 18	000	-	255	0% to 100%		
CH81	CH70	CH53	Green 18	000	-	255	0% to 100%		
CH82	CH71	CH54	Blue 18	000	-	255	0% to 100%		
CH83	CH72		White 18	000	-	255	0% to 100%		
CH84	CH73	CH55	Red 19	000	-	255	0% to 100%		
CH85	CH74	CH56	Green 19	000	-	255	0% to 100%		
CH86	CH75	CH57	Blue 19	000	-	255	0% to 100%		
CH87	CH76		White 19	000	-	255	0% to 100%		

43-CH Mode RGB(W) Pattern Mode							
CH1	Pan			000	-	255	0% to 100%
CH2	Pan fine			000	-	255	0% to 100%
CH3	Tilt			000	-	255	0% to 100%
CH4	Tilt fine			000	-	255	0% to 100%
CH5	Dimmer			000	-	255	Master Dimmer 0-100%
CH6	Dimmer fine			000	-	255	Master Dimmer fine 0-100%
CH7	Strobe			000	-	005	Strobe open
				006	-	010	Strobe closed
				011	-	033	Pulse random, slow -> fast
				034	-	056	Ramp up random, slow -> fast
				057	-	079	Ramp down random, slow -> fast
				080	-	102	Random strobe effect, slow fast
				103	-	127	Strobe break effect, 5 s.....1 s (very short flash)
				128	-	250	Strobe slow -> fast <1 Hz -> 20 Hz
				251	-	255	Strobe open
CH8	Red			000	-	255	0% to 100%
CH9	Red fine			000	-	255	0% to 100%
CH10	Green			000	-	255	0% to 100%
CH11	Green fine			000	-	255	0% to 100%
CH12	Blue			000	-	255	0% to 100%
CH13	Blue fine			000	-	255	0% to 100%

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CH14	White	000	-	255	0% to 100 %
CH15	White fine	000	-	255	0% to 100 %
CH16	Color Temperature (override RGBW and Color Macros)	000	-	005	off
		006	-	008	Bulb white (2700 K)
		009	-	011	Halogen white (3200 K)
		012	-	014	Neutral white (4000 K)
		015	-	017	Studio white (5600 K)
		018	-	020	Daylight white (6500 K)
		021	-	255	1.800 K – 7.500 K
CH17	Tint (relates to Color Temperature)	000	-	127	Linear tint from magenta to neutral
		128	-	128	Neutral
		129	-	255	Linear tint from neutral to green
CH18	Color Macros (override RGBW)	000	-	005	no function
		006	-	009	46 Dark Magenta
		010	-	013	29 Plasa Red
		014	-	017	26 Bright Red
		018	-	021	127 Smokey Pink
		022	-	025	36 Medium Pink
		026	-	029	19 Fire
		030	-	033	135 Deep Golden Amber
		034	-	037	778 Millennium Gold
		038	-	041	21 Gold Amber
		042	-	045	157 Pink
		046	-	049	110 Middle Rose
		050	-	053	109 Light Salmon
		054	-	057	35 Light Pink
		058	-	061	134 Golden Amber
		062	-	065	17 Surprise Peach
		066	-	069	746 Brown
		070	-	073	105 Orange
		074	-	077	20 Medium Amber
		078	-	081	768 Egg Yolk Yellow
		082	-	085	15 Deep Straw
		086	-	089	767 Nectarine
		090	-	093	101 Yellow
		094	-	097	100 Spring Yellow
		098	-	101	88 Lime Green

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CH18	Color Macros (override RGBW)	102	-	105	121 LEE Green
		106	-	109	738 Jas Green
		110	-	113	89 Moss Green
		114	-	117	139 Primary Green
		118	-	121	124 Dark Green
		122	-	125	323 Jade
		126	-	129	354 Special Steel Blue
		130	-	133	116 Medium Blue-Green
		134	-	137	183 Moonlight Blue
		138	-	141	132 Medium Blue
		142	-	145	119 Dark Blue
		146	-	149	716 Mikkel Blue
		150	-	153	71 Tokyo Blue
		154	-	157	181 Congo Blue
		158	-	161	799 Special KH Lavender
		162	-	165	707 Ultimate Violet
		166	-	169	343 Special Medium Lavender
		170	-	173	798 Chrysalis Pink
		174	-	177	701 Provence
		178	-	181	797 Deep Purple
		182	-	185	48 Rose Purple
		186	-	189	345 Fuchsia Pink
		190	-	193	795 Magical Magenta
		194	-	197	128 Bright Pink
		198	-	201	2 Rose Pink
		202	-	204	Color Jumping stop
		205	-	230	Color Jumping speed slow -> fast
		231	-	255	Color Fading speed slow -> fast
CH19	Color Macro Crossfade (Transition Time between Color Macros)	000	-	005	0s
		006	-	105	0,1 s – 10 s (0,1 s Steps)
		106	-	214	11 s – 119 s (1 s Steps)
		215	-	244	2 m – 4 m 50 s (10 s Steps)
		245	-	255	5 m – 15 m (1 m Steps)
CH20	Zoom	000	-	255	narrow – wide
CH21	Zoom Fine	000	-	255	0 % to 100 %
CH22	Pattern Folder selection	000	-	005	off (background functions disabled)
		006	-	064	Pattern 1 (background functions enabled)
		065	-	128	Pattern 2 (background functions enabled)
		129	-	255	Running Effect Pattern (background functions enabled)

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CH23	Pattern 1 No. 1 – 50	000	-	005	Off ("washlight mode")	CH23	Pattern 2 No. 51 – 100
		006	-	010	1		
		011	-	015	2		
		016	-	020	3		
		021	-	025	4		
		026	-	030	5		
		031	-	035	6		
		036	-	040	7		
		041	-	045	8		
		046	-	050	9		
		051	-	055	10		
		056	-	060	11		
		061	-	065	12		
		066	-	070	13		
		071	-	075	14		
		076	-	080	15		
		081	-	085	16		
		086	-	090	17		
		091	-	095	18		
		096	-	100	19		
		101	-	105	20		
		106	-	110	21		
		111	-	115	22		
		116	-	120	23		
		121	-	125	24		
		126	-	250	25-49		
		251	-	255	50		

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CH23	Running Effect Pattern	000	-	005	Off
		006	-	010	Effect 1 (4 Dots CW)
		011	-	015	Effect 2 (Circle 2 Step in > out)
		016	-	020	Effect 3 (Circle 2 Step Color Change in > out)
		021	-	025	Effect 4 (Clock hand – CW)
		026	-	030	Effect 5 (Ventilator – CW)
		031	-	035	Effect 6 (Bow runs left >)
		036	-	040	Effect 7 (Bow runs down >)
		041	-	045	Effect 8 (3-line to 2-line)
		046	-	050	Effect 9 (diamond change)
		051	-	055	Effect 10 (Small circle 2 Dots run)
		056	-	060	Effect 11 (Circle 3 step in > out)
		061	-	065	Effect 12 (2 Dots running on outer circle)
		066	-	070	Effect 13 (4 Dots running on outer circle)
		071	-	075	Effect 14 Even/Odd
		076	-	080	Effect 15 Random Single Dots Jump
		081	-	085	Effect 16 Random Single Dots Fade
		086	-	090	Effect 17 Raindrop Jump
		091	-	095	Effect 18 Raindrop Fade
		096	-	100	Effect 19 All Effects
		101	-	255	All LEDs On
CH24	Pattern Speed	000	-	005	Effect Pattern stop
		006	-	127	Effect Pattern speed, slow -> fast, forward
		128	-	255	Effect Pattern speed, fast -> slow, backward
CH25	Pattern Transition Time (Transition between Pattern)	000	-	005	Stop
		006	-	255	0.1 s – 5 s
CH26	Running Effect Pattern Fade/Wake	000	-	005	off
		006	-	127	Fade Effect Pattern 0-100 %
		128	-	255	Wake Effect Pattern 0-100 %
CH27	Background Dimmer	000	-	255	Background Master Dimmer 0-100 %
CH28	Background Dimmer fine	000	-	255	Background Master Dimmer fine 0-100 %
CH29	Background Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	033	Pulse random, slow -> fast
		034	-	056	Ramp up random, slow -> fast
		057	-	079	Ramp down random, slow -> fast
		080	-	102	Random strobe effect, slow -> fast
		103	-	127	Strobe break effect, 5 s.....1 s (very short flash)
		128	-	250	Strobe slow -> fast <1 Hz – 20 Hz
		251	-	255	Strobe open
CH30	Background Red	000	-	255	0 % to 100 %
CH31	Background Red Fine	000	-	255	0 % to 100 %
CH32	Background Green	000	-	255	0 % to 100 %
CH33	Background Green Fine	000	-	255	0 % to 100 %

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CH34	Background Blue	000	-	255	0% to 100 %
CH35	Background Blue Fine	000	-	255	0% to 100 %
CH36	Background White	000	-	255	0% to 100 %
CH37	Background White Fine	000	-	255	0% to 100 %
CH38	Background Color Temperature (override Background RGBW and Back- ground Color Macros)	000	-	005	off
		006	-	008	Bulb White (2700 K)
		009	-	011	Halogen White (3200 K)
		012	-	014	Neutral White (4000 K)
		015	-	017	Studio-White (5600 K)
		018	-	020	Daylight White (6500 K)
		021	-	255	1.800 K – 7.500 K
CH39	Background Tint (relates to Background Color Temperature)	000	-	127	Linear tint from magenta to neutral
		128	-	128	Neutral
		129	-	255	Linear tint from neutral to green
CH40	Background Color Macros (override Background RGBW)	000	-	005	no function
		006	-	009	46 Dark Magenta
		010	-	013	29 Plasa Red
		014	-	017	26 Bright Red
		018	-	021	127 Smokey Pink
		022	-	025	36 Medium Pink
		026	-	029	19 Fire
		030	-	033	135 Deep Golden Amber
		034	-	037	778 Millennium Gold
		038	-	041	21 Gold Amber
		042	-	045	157 Pink
		046	-	049	110 Middle Rose
		050	-	053	109 Light Salmon
		054	-	057	35 Light Pink
		058	-	061	134 Golden Amber
		062	-	065	17 Surprise Peach
		066	-	069	746 Brown
		070	-	073	105 Orange
		074	-	077	20 Medium Amber
		078	-	081	768 Egg Yolk Yellow
		082	-	085	15 Deep Straw
		086	-	089	767 Nectarine
		090	-	093	101 Yellow

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CH40	Background Color Macros (override Background RGBW)	094	-	097	100 Spring Yellow
		098	-	101	88 Lime Green
		102	-	105	121 LEE Green
		106	-	109	738 Jas Green
		110	-	113	89 Moss Green
		114	-	117	139 Primary Green
		118	-	121	124 Dark Green
		122	-	125	323 Jade
		126	-	129	354 Special Steel Blue
		130	-	133	116 Medium Blue-Green
		134	-	137	183 Moonlight Blue
		138	-	141	132 Medium Blue
		142	-	145	119 Dark Blue
		146	-	149	716 Mikkel Blue
		150	-	153	71 Tokyo Blue
		154	-	157	181 Congo Blue
		158	-	161	799 Special KH Lavender
		162	-	165	707 Ultimate Violet
		166	-	169	343 Special Medium Lavender
		170	-	173	798 Chrysalis Pink
		174	-	177	701 Provence
		178	-	181	797 Deep Purple
		182	-	185	48 Rose Purple
		186	-	189	345 Fuchsia Pink
		190	-	193	795 Magical Magenta
		194	-	197	128 Bright Pink
		198	-	201	2 Rose Pink
		202	-	204	Color Jumping stop
		205	-	230	Color Jumping speed slow -> fast
		231	-	255	Color Fading speed slow -> fast
CH41	Background Color Macro Crossfade	000	-	005	0s
		006	-	105	0,1 s – 10 s (0,1 s Steps)
		106	-	214	11 s – 119 s (1 s Steps)
		215	-	244	2 m – 4 m 50 s (10 s Steps)
		245	-	255	5 m – 15 m (1 m Steps)
CH42	Pan/Tilt Speed	000	-	255	Head movement speed fast -> slow
CH43	Device settings	000	-	005	no function
		006	-	007	Blackout while moving on (hold 3 s)
		008	-	009	Blackout while moving off (hold 3 s)
		010	-	041	Spare
		042	-	043	Invert Pan on (hold 3 s)

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CH43	Device settings (please read remark 1*)	044	-	045	Invert Pan off (hold 5 s)
		046	-	047	Invert Tilt on (hold 3 s)
		048	-	049	Invert Tilt off (hold 5 s)
		050	-	073	Spare
		074	-	075	Dimmer response LED (hold 3 s)
		076	-	077	Dimmer response halogen (hold 3 s)
		078	-	097	Spare
		098	-	099	Silent Fan (hold 3 s)
		100	-	101	Auto Fan (hold 3 s)
		102	-	103	Normal Fan (hold 3 s)
		104	-	119	Spare
		120	-	121	LED PWM frequency 800 Hz (hold 3 s)
		122	-	123	LED PWM frequency 1200 Hz (hold 3 s)
		124	-	125	LED PWM frequency 2000 Hz (hold 3 s)
		126	-	127	LED PWM frequency 3600 Hz (hold 3 s)
		128	-	129	LED PWM frequency 12 kHz (hold 3 s)
		130	-	131	LED PWM frequency 25 kHz (hold 3 s)
		132	-	139	Spare
		140	-	141	Display on (hold 3 s)
		142	-	143	Display off (hold 3 s)
		144	-	159	Spare
		160	-	161	LED arrangement normal (hold 3 s) (Standard)
		162	-	163	LED arrangement mirrored (hold 3 s)
		164	-	165	Dimmer Curve linear (hold 3 s)
		166	-	167	Dimmer Curve exponential (hold 3 s)
		168	-	169	Dimmer Curve logarithmic (hold 3 s)
		170	-	171	Dimmer Curve s-curve (hold 3 s)
		172	-	201	Spare
		202	-	203	Raw (color calibration off) (hold 3 s)
		204	-	205	Calibrated (color calibration on) (hold 3 s)
		206	-	207	User color calibration on (hold 3 s)
		208	-	221	Spare
		222	-	223	Reset Pan/Tilt (hold 3 s)
		224	-	227	Spare
		228	-	229	Reset Zoom (hold 3 s)
		230	-	235	Spare
		236	-	237	Reset All Functions (hold 3 s)
		238	-	245	Spare
		246	-	255	no function

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LED WASH-BEAM MOVING HEAD
WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



33-CH Mode HSI Pattern Mode (Calibrated)					
CH1	Pan	000	-	255	0% to 100%
CH2	Pan fine	000	-	255	0% to 100%
CH3	Tilt	000	-	255	0% to 100%
CH4	Tilt fine	000	-	255	0% to 100%
CH5	Dimmer	000	-	255	Master Dimmer 0-100%
CH6	Dimmer fine	000	-	255	Master Dimmer fine 0-100%
CH7	Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	033	Pulse random, slow -> fast
		034	-	056	Ramp up random, slow -> fast
		057	-	079	Ramp down random, slow -> fast
		080	-	102	Random strobe effect, slow fast
		103	-	127	Strobe break effect, 5 s.....1 s (very short flash)
		128	-	250	Strobe slow -> fast <1 Hz -> 20 Hz
		251	-	255	Strobe open
CH8	Hue	000	-	255	0° (red) thru 360°
CH9	Hue fine	000	-	255	fine steps
CH10	Saturation	000	-	255	100% saturation -> 0% saturation (white)
CH11	Color Temperature (override HS and Color Macros)	000	-	005	off
		006	-	008	Bulb white (2700 K)
		009	-	011	Halogen white (3200 K)
		012	-	014	Neutral white (4000 K)
		015	-	017	Studio white (5600 K)
		018	-	020	Daylight white (6500 K)
		021	-	255	1.800 K – 7.500 K
CH12	Tint (relates to Color Temperature)	000	-	127	Linear tint from magenta to neutral
		128	-	128	Neutral
		129	-	255	Linear tint from neutral to green
CH13	Color Macros (override HS)	000	-	005	no function
		006	-	009	46 Dark Magenta
		010	-	013	29 Plasa Red
		014	-	017	26 Bright Red
		018	-	021	127 Smokey Pink
		022	-	025	36 Medium Pink
		026	-	029	19 Fire
		030	-	033	135 Deep Golden Amber
		034	-	037	778 Millennium Gold
		038	-	041	21 Gold Amber
		042	-	045	157 Pink
		046	-	049	110 Middle Rose

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WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



CH13	Color Macros (override HS)	050	-	053	109 Light Salmon
		054	-	057	35 Light Pink
		058	-	061	134 Golden Amber
		062	-	065	17 Surprise Peach
		066	-	069	746 Brown
		070	-	073	105 Orange
		074	-	077	20 Medium Amber
		078	-	081	768 Egg Yolk Yellow
		082	-	085	15 Deep Straw
		086	-	089	767 Nectarine
		090	-	093	101 Yellow
		094	-	097	100 Spring Yellow
		098	-	101	88 Lime Green
		102	-	105	121 LEE Green
		106	-	109	738 Jas Green
		110	-	113	89 Moss Green
		114	-	117	139 Primary Green
		118	-	121	124 Dark Green
		122	-	125	323 Jade
		126	-	129	354 Special Steel Blue
		130	-	133	116 Medium Blue-Green
		134	-	137	183 Moonlight Blue
		138	-	141	132 Medium Blue
		142	-	145	119 Dark Blue
		146	-	149	716 Mikkell Blue
		150	-	153	71 Tokyo Blue
		154	-	157	181 Congo Blue
		158	-	161	799 Special KH Lavender
		162	-	165	707 Ultimate Violet
		166	-	169	343 Special Medium Lavender
		170	-	173	798 Chrysalis Pink
		174	-	177	701 Provence
		178	-	181	797 Deep Purple
		182	-	185	48 Rose Purple
		186	-	189	345 Fuchsia Pink
		190	-	193	795 Magical Magenta
		194	-	197	128 Bright Pink
		198	-	201	2 Rose Pink
		202	-	204	Color Jumping stop
		205	-	230	Color Jumping speed slow -> fast
		231	-	255	Color Fading speed slow -> fast

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LED WASH-BEAM MOVING HEAD
WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



CH14	Color Macro Crossfade (Transition Time between Color Macros)	000	-	005	0s
		006	-	105	0,1 s – 10 s (0,1 s Steps)
		106	-	214	11 s – 119 s (1 s Steps)
		215	-	244	2 m – 4m 50 s (10 s Steps)
		245	-	255	5 m – 15 m (1 m Steps)
CH15	Zoom	000	-	255	narrow -wide
CH16	Zoom fine	000	-	255	0% to 100%
CH17	Pattern Folder selection	000	-	005	off (background functions disabled)
		006	-	064	Pattern 1 (background functions enabled)
		065	-	128	Pattern 2 (background functions enabled)
		129	-	255	Running Effect Pattern (background functions enabled)

CH18	Pattern 1 No. 1 – 50	000	-	005	Off ("washlight Mode")	CH18	Pattern 2 No. 51 – 100
		006	-	010	1		
		011	-	015	2		
		016	-	020	3		
		021	-	025	4		
		026	-	030	5		
		031	-	035	6		
		036	-	040	7		
		041	-	045	8		
		046	-	050	9		
		051	-	055	10		
		056	-	060	11		
		061	-	065	12		
		066	-	070	13		
		071	-	075	14		
		076	-	080	15		
		081	-	085	16		
		086	-	090	17		
		091	-	095	18		
		096	-	100	19		
		101	-	105	20		
		106	-	110	21		
		111	-	115	22		
		116	-	120	23		
		121	-	125	24		
		126	-	...	25-49		
		251	-	255	50		

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DMX CONTROL TABLE



CH18	Running Effect Pattern	000	-	005	Off
		006	-	010	Effect 1 (4 Dots CW)
		011	-	015	Effect 2 (Circle 2Step in > out)
		016	-	020	Effect 3 (Circle 2Step Color Change in > out)
		021	-	025	Effect 4 (Clock hand – CW)
		026	-	030	Effect 5 (Ventilator – CW)
		031	-	035	Effect 6 (Bow runs left >)
		036	-	040	Effect 7 (Bow runs down >)
		041	-	045	Effect 8 (3-line to 2-line)
		046	-	050	Effect 9 (diamond change)
		051	-	055	Effect 10 (Small circle 2 Dots run)
		056	-	060	Effect 11 (Circle 3 step in > out)
		061	-	065	Effect 12 (2 Dots running on outer circle)
		066	-	070	Effect 13 (4 Dots running on outer circle)
		071	-	075	Effect 14 Even/Odd
		076	-	080	Effect 15 Random Single Dots Jump
		081	-	085	Effect 16 Random Single Dots Fade
		086	-	090	Effect 17 Raindrop Jump
		091	-	095	Effect 18 Raindrop Fade
		096	-	100	Effect 19 All Effects
		101	-	255	All LEDs On

CH19	Pattern Speed	000	-	005	Effect Pattern stop
		006	-	127	Effect Pattern speed, slow > fast, forward
		128	-	255	Effect Pattern speed, fast > slow, backward
CH20	Pattern Transition (Transition between Pattern)	000	-	005	Stop
		006	-	255	0.1 s – 5 s
CH21	Running Effect Pattern Fade/Wake	000	-	005	off
		006	-	127	Fade Effect Pattern 0-100 %
		128	-	255	Wake Effect Pattern 0-100 %
CH22	Background Dimmer	000	-	255	Background Master Dimmer 0-100 %
CH23	Background Dimmer fine	000	-	255	Background Master Dimmer fine 0-100 %
CH24	Background Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	033	Pulse random, slow -> fast
		034	-	056	Ramp up random, slow -> fast
		057	-	079	Ramp down random, slow -> fast
		080	-	102	Random strobe effect, slow -> fast
		103	-	127	Strobe break effect, 5 s.....1 s (very short flash)
		128	-	250	Strobe slow -> fast <1 Hz – 20 Hz
		251	-	255	Strobe open
CH25	Background Hue	000	-	255	0° (RED) thru 360°
CH26	Background Hue fine	000	-	255	fine steps
CH27	Background Saturation	000	-	255	100 % saturation -> 0 % saturation (white)

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LED WASH-BEAM MOVING HEAD
WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



CH28	Background Color Temperature (override Background HS and Background Color Macros)	000	-	005	off
		006	-	008	Bulb White (2700 K)
		009	-	011	Halogen White (3200 K)
		012	-	014	Neutral White (4000 K)
		015	-	017	Studio-White (5600 K)
		018	-	020	Daylight White (6500 K)
		021	-	255	1.800 K – 7.500 K
CH29	Background Tint (relates to Background Color Temperature)	000	-	127	Linear tint from magenta to neutral
		128	-	128	Neutral
		129	-	255	Linear tint from neutral to green
CH30	Background Color Macro (override Background HS)	000	-	005	no function
		006	-	009	46 Dark Magenta
		010	-	013	29 Plasa Red
		014	-	017	26 Bright Red
		018	-	021	127 Smokey Pink
		022	-	025	36 Medium Pink
		026	-	029	19 Fire
		030	-	033	135 Deep Golden Amber
		034	-	037	778 Millennium Gold
		038	-	041	21 Gold Amber
		042	-	045	157 Pink
		046	-	049	110 Middle Rose
		050	-	053	109 Light Salmon
		054	-	057	35 Light Pink
		058	-	061	134 Golden Amber
		062	-	065	17 Surprise Peach
		066	-	069	746 Brown
		070	-	073	105 Orange
		074	-	077	20 Medium Amber
		078	-	081	768 Egg Yolk Yellow
		082	-	085	15 Deep Straw
		086	-	089	767 Nectarine
		090	-	093	101 Yellow
		094	-	097	100 Spring Yellow
		098	-	101	88 Lime Green
		102	-	105	121 LEE Green
		106	-	109	738 Jas Green
		110	-	113	89 Moss Green
		114	-	117	139 Primary Green

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WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



CH30	Background Color Macro (override Background HS)	118	-	121	124 Dark Green
		122	-	125	323 Jade
		126	-	129	354 Special Steel Blue
		130	-	133	116 Medium Blue-Green
		134	-	137	183 Moonlight Blue
		138	-	141	132 Medium Blue
		142	-	145	119 Dark Blue
		146	-	149	716 Mikkel Blue
		150	-	153	71 Tokyo Blue
		154	-	157	181 Congo Blue
		158	-	161	799 Special KH Lavender
		162	-	165	707 Ultimate Violet
		166	-	169	343 Special Medium Lavender
		170	-	173	798 Chrysalis Pink
		174	-	177	701 Provence
		178	-	181	797 Deep Purple
		182	-	185	48 Rose Purple
		186	-	189	345 Fuchsia Pink
		190	-	193	795 Magical Magenta
		194	-	197	128 Bright Pink
		198	-	201	2 Rose Pink
		202	-	204	Color Jumping Stop
		205	-	230	Color Jumping Speed slow -> fast
		231	-	255	Color Fading Speed slow -> fast
CH31	Background Color Macro Crossfade (Transition Time between Background Color Macros)	000	-	005	0 s
		006	-	105	0,1 s – 10 s (0,1 s Steps)
		106	-	214	11 s – 119 s (1 s Steps)
		215	-	244	2 m – 4 m 50 s (10 s Steps)
		245	-	255	5 m – 15 m (1 m Steps)
CH32	Pan/Tilt Speed	000	-	255	Head movement speed fast -> slow
CH33	Device settings	000	-	005	no function
		006	-	007	Blackout while moving on (hold 3 s)
		008	-	009	Blackout while moving off (hold 3 s)
		010	-	041	Spare
		042	-	043	Invert Pan on (hold 3 s)
		044	-	045	Invert Pan off (hold 5 s)
		046	-	047	Invert Tilt on (hold 3 s)
		048	-	049	Invert Tilt off (hold 5 s)
		050	-	073	Spare
		074	-	075	Dimmer response LED (hold 3 s)
		076	-	077	Dimmer response halogen (hold 3 s)

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LED WASH-BEAM MOVING HEAD
WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



CH33	Device settings (please read remark 1*)	078	-	097	Spare
		098	-	099	Silent Fan (hold 3 s)
		100	-	101	Auto Fan (hold 3 s)
		102	-	103	Normal Fan (hold 3 s)
		104	-	119	Spare
		120	-	121	LED PWM frequency 800 Hz (hold 3 s)
		122	-	123	LED PWM frequency 1200 Hz (hold 3 s)
		124	-	125	LED PWM frequency 2000 Hz (hold 3 s)
		126	-	127	LED PWM frequency 3600 Hz (hold 3 s)
		128	-	129	LED PWM frequency 12 kHz (hold 3 s)
		130	-	131	LED PWM frequency 25 kHz (hold 3 s)
		132	-	139	Spare
		140	-	141	Display on (hold 3 s)
		142	-	143	Display off (hold 3 s)
		144	-	159	Spare
		160	-	161	LED arrangement normal (hold 3 s) (standard)
		162	-	163	LED arrangement mirrored (hold 3 s)
		164	-	165	Dimmer Curve linear (hold 3 s)
		166	-	167	Dimmer Curve exponential (hold 3 s)
		168	-	169	Dimmer Curve logarithmic (hold 3 s)
		170	-	171	Dimmer Curve s-curve (hold 3 s)
		172	-	201	Spare
		202	-	203	Raw (color calibration off) (hold 3 s)
		204	-	205	Calibrated (color calibration on) (hold 3 s)
		206	-	207	User color calibration on (hold 3 s)
		208	-	221	Spare
		222	-	223	Reset Pan/Tilt (hold 3 s)
		224	-	227	Spare
		228	-	229	Reset Zoom
		230	-	235	Spare
		236	-	237	Reset All Functions (hold 3 s)
		238	-	245	Spare
		246	-	255	no function

23-CH Wash Light RBGW Mode					
CH1	PAN	000	-	255	0% to 100 %
CH2	Pan fine	000	-	255	0% to 100%
CH3	Tilt	000	-	255	0% to 100%
CH4	Tilt fine	000	-	255	0% to 100%
CH5	Dimmer	000	-	255	Master Dimmer 0-100%
CH6	Dimmer fine	000	-	255	Master Dimmer fine 0-100%

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LED WASH-BEAM MOVING HEAD
WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



CH7	Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	033	Pulse random, slow -> fast
		034	-	056	Ramp up random, slow -> fast
		057	-	079	Ramp down random, slow -> fast
		080	-	102	Random strobe effect, slow fast
		103		127	Strobe break effect, 5 s.....1 s (very short flash)
		128	-	250	Strobe slow -> fast <1 Hz -> 20 Hz
		251	-	255	Strobe open
CH8	Red	000	-	255	0% to 100%
CH9	Red fine	000	-	255	0% to 100%
CH10	Green	000	-	255	0% to 100%
CH11	Green fine	000	-	255	0% to 100%
CH12	Blue	000	-	255	0% to 100%
CH13	Blue fine	000	-	255	0% to 100%
CH14	White	000	-	255	0% to 100%
CH15	White fine	000	-	255	0% to 100%
CH16	Color Temperature (override RGBW and Color Macros)	000	-	005	off
		006	-	008	Bulb white (2700 K)
		009	-	011	Halogen white (3200 K)
		012	-	014	Neutral white (4000 K)
		015	-	017	Studio white (5600 K)
		018	-	020	Daylight white (6500 K)
		021	-	255	1.800K – 7.500 K
CH17	Tint (relates to Color Temperature)	000	-	127	Linear tint from magenta to neutral
		128	-	128	Neutral
		129	-	255	Linear tint from neutral to green
CH18	Color Macros (override RGBW)	000	-	005	no function
		006	-	009	46 Dark Magenta
		010	-	013	29 Plasa Red
		014	-	017	26 Bright Red
		018	-	021	127 Smokey Pink
		022	-	025	36 Medium Pink
		026	-	029	19 Fire
		030	-	033	135 Deep Golden Amber

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WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



CH18	Color Macros (override RGBW)	034	-	037	778 Millennium Gold
		038	-	041	21 Gold Amber
		042	-	045	157 Pink
		046	-	049	110 Middle Rose
		050	-	053	109 Light Salmon
		054	-	057	35 Light Pink
		058	-	061	134 Golden Amber
		062	-	065	17 Surprise Peach
		066	-	069	746 Brown
		070	-	073	105 Orange
		074	-	077	20 Medium Amber
		078	-	081	768 Egg Yolk Yellow
		082	-	085	15 Deep Straw
		086	-	089	767 Nectarine
		090	-	093	101 Yellow
		094	-	097	100 Spring Yellow
		098	-	101	88 Lime Green
		102	-	105	121 LEE Green
		106	-	109	738 Jas Green
		110	-	113	89 Moss Green
		114	-	117	139 Primary Green
		118	-	121	124 Dark Green
		122	-	125	323 Jade
		126	-	129	354 Special Steel Blue
		130	-	133	116 Medium Blue-Green
		134	-	137	183 Moonlight Blue
		138	-	141	132 Medium Blue
		142	-	145	119 Dark Blue
		146	-	149	716 Mikkell Blue
		150	-	153	71 Tokyo Blue
		154	-	157	181 Congo Blue
		158	-	161	799 Special KH Lavender
		162	-	165	707 Ultimate Violet
		166	-	169	343 Special Medium Lavender
		170	-	173	798 Chrysalis Pink
		174	-	177	701 Provence
		178	-	181	797 Deep Purple
		182	-	185	48 Rose Purple
		186	-	189	345 Fuchsia Pink
		190	-	193	795 Magical Magenta
		194	-	197	128 Bright Pink

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LED WASH-BEAM MOVING HEAD
WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



CH18	Color Macros (override RGBW)	198	-	201	2 Rose Pink
		202	-	204	Color Jumping stop
		205	-	230	Color Jumping speed slow -> fast
		231	-	255	Color Fading speed slow -> fast
CH19	Color Macro Crossfade (Transition Time between Color Macros)	000	-	005	0s
		006	-	105	0,1 s – 10 s (0,1 s Steps)
		106	-	214	11 s – 119 s (1 s Steps)
		215	-	244	2 m – 4 m 50 s (10 s Steps)
		245	-	255	5 m – 15 m (1 m Steps)
CH20	Zoom	000	-	255	narrow -wide
CH21	Zoom fine	000	-	255	0% to 100%
CH22	Pan/Tilt Speed	000	-	255	Head movement speed
CH23	Device settings (please read remark 1*)	000	-	005	no function
		006	-	007	Blackout while moving on (hold 3 s)
		008	-	009	Blackout while moving off (hold 3 s)
		010	-	041	Spare
		042	-	043	Invert Pan on (hold 3 s)
		044	-	045	Invert Pan off (hold 5 s)
		046	-	047	Invert Tilt on (hold 3 s)
		048	-	049	Invert Tilt off (hold 5 s)
		050	-	073	Spare
		074	-	075	Dimmer response LED (hold 3 s)
		076	-	077	Dimmer response halogen (hold 3 s)
		078	-	097	Spare
		098	-	099	Silent Fan (hold 3 s)
		100	-	101	Auto Fan (hold 3 s)
		102	-	103	Normal Fan (hold 3 s)
		104	-	119	Spare
		120	-	121	LED PWM frequency 800 Hz (hold 3 s)
		122	-	123	LED PWM frequency 1200 Hz (hold 3 s)
		124	-	125	LED PWM frequency 2000 Hz (hold 3 s)
		126	-	127	LED PWM frequency 3600 Hz (hold 3 s)
		128	-	129	LED PWM frequency 12 kHz (hold 3 s)
		130	-	131	LED PWM frequency 25 kHz (hold 3 s)
		132	-	139	Spare
		140	-	141	Display on (hold 3 s)
		142	-	143	Display off (hold 3 s)
		144	-	163	Spare
		164	-	165	Dimmer Curve linear
		166	-	167	Dimmer Curve exponential
		168	-	169	Dimmer Curve logarithmic

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DMX CONTROL TABLE



CH23	Device settings (please read remark 1*)	170	-	171	Dimmer Curve s-curve
		172	-	201	Spare
		202	-	203	Raw (color calibration off) (hold 3 s)
		204	-	205	Calibrated (color calibration on) (hold 3 s)
		206	-	207	User color calibration on (hold 3 s)
		208	-	221	Spare
		222	-	223	Reset Pan/Tilt (hold 3 s)
		224	-	227	Spare
		228	-	229	Reset Zoom (hold 3 s)
		230	-	235	Spare
		236	-	237	Reset All Functions (hold 3 s)
		238	-	245	Spare
		246	-	255	no function

18-CH Wash Light HSI Mode (Calibrated)					
CH1	Pan	000	-	255	0 % to 100 %
CH2	Pan fine	000	-	255	0 % to 100 %
CH3	Tilt	000	-	255	0 % to 100 %
CH4	Tilt fine	000	-	255	0 % to 100 %
CH5	Dimmer	000	-	255	Master Dimmer 0-100 %
CH6	Dimmer fine	000	-	255	Master Dimmer fine 0-100 %
CH7	Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	033	Pulse random, slow -> fast
		034	-	056	Ramp up random, slow -> fast
		057	-	079	Ramp down random, slow -> fast
		080	-	102	Random strobe effect, slow fast
		103	-	127	Strobe break effect, 5 s.....1 s (very short flash)
		128	-	250	Strobe slow -> fast <1 Hz -> 20 Hz
		251	-	255	Strobe open
CH8	Hue	000	-	255	0° (red) thru 360°
CH9	Hue fine	000	-	255	fine steps
CH10	Saturation	000	-	255	100 % saturation -> 0 % saturation (white)
CH11	Color Temperature (override HS and Color Macros)	000	-	005	off
		006	-	008	Bulb white (2700 K)
		009	-	011	Halogen white (3200 K)
		012	-	014	Neutral white (4000 K)
		015	-	017	Studio white (5600 K)
		018	-	020	Daylight white (6500 K)
		021	-	255	1.800 K – 7.500 K
CH12	Tint (relates to Color Temperature)	000	-	127	Linear tint from magenta to neutral
		128	-	128	Neutral
		129	-	255	Linear tint from neutral to green

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WITH SINGLE PIXEL CONTROL
DMX CONTROL TABLE



CH13	Color Macros (override HS)	000	-	005	no function
		006	-	009	46 Dark Magenta
		010	-	013	29 Plasa Red
		014	-	017	26 Bright Red
		018	-	021	127 Smokey Pink
		022	-	025	36 Medium Pink
		026	-	029	19 Fire
		030	-	033	135 Deep Golden Amber
		034	-	037	778 Millennium Gold
		038	-	041	21 Gold Amber
		042	-	045	157 Pink
		046	-	049	110 Middle Rose
		050	-	053	109 Light Salmon
		054	-	057	35 Light Pink
		058	-	061	134 Golden Amber
		062	-	065	17 Surprise Peach
		066	-	069	746 Brown
		070	-	073	105 Orange
		074	-	077	20 Medium Amber
		078	-	081	768 Egg Yolk Yellow
		082	-	085	15 Deep Straw
		086	-	089	767 Nectarine
		090	-	093	101 Yellow
		094	-	097	100 Spring Yellow
		098	-	101	88 Lime Green
		102	-	105	121 LEE Green
		106	-	109	738 Jas Green
		110	-	113	89 Moss Green
		114	-	117	139 Primary Green
		118	-	121	124 Dark Green
		122	-	125	323 Jade
		126	-	129	354 Special Steel Blue
		130	-	133	116 Medium Blue-Green
		134	-	137	183 Moonlight Blue
		138	-	141	132 Medium Blue
		142	-	145	119 Dark Blue
		146	-	149	716 Mikkel Blue
		150	-	153	71 Tokyo Blue

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CH13	Color Macros (override HS)	154	-	157	181 Congo Blue
		158	-	161	799 Special KH Lavender
		162	-	165	707 Ultimate Violet
		166	-	169	343 Special Medium Lavender
		170	-	173	798 Chrysalis Pink
		174	-	177	701 Provence
		178	-	181	797 Deep Purple
		182	-	185	48 Rose Purple
		186	-	189	345 Fuchsia Pink
		190	-	193	795 Magical Magenta
		194	-	197	128 Bright Pink
		198	-	201	2 Rose Pink
		202	-	204	Color Jumping stop
		205	-	230	Color Jumping speed slow -> fast
		231	-	255	Color Fading speed slow -> fast
CH14	Color Macro Crossfade (Transition Time between Color Macros)	098	-	005	0s
		006	-	105	0,1 s – 10 s (0,1 s Steps)
		106	-	214	11 s – 119 s (1 s Steps)
		215	-	244	2 m – 4m 50 s (10 s Steps)
		245	-	255	5 m – 15 m (1 m Steps)
CH15	Zoom	000	-	255	narrow -wide
CH16	Zoom fine	000	-	255	0 % to 100 %
CH17	Pan/Tilt Speed	000	-	255	Head movement speed
CH18	Device settings (please read remark 1*)	000	-	005	no function
		006	-	007	Blackout while moving on (hold 3 s)
		008	-	009	Blackout while moving off (hold 3 s)
		010	-	041	Spare
		042	-	043	Invert Pan on (hold 3 s)
		044	-	045	Invert Pan off (hold 5 s)
		046	-	047	Invert Tilt on (hold 3 s)
		048	-	049	Invert Tilt off (hold 5 s)
		050	-	073	Spare
		074	-	075	Dimmer response LED (hold 3 s)
		076	-	077	Dimmer response halogen (hold 3 s)
		078	-	097	Spare
		098	-	099	Silent Fan (hold 3 s)
		100	-	101	Auto Fan (hold 3 s)
		102	-	103	Normal Fan (hold 3 s)
		104	-	119	Spare
		120	-	121	LED PWM frequency 800 Hz (hold 3 s)
		122	-	123	LED PWM frequency 1200 Hz (hold 3 s)

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CH18	Device settings (please read remark 1*)	124	-	125	LED PWM frequency 2000 Hz (hold 3 s)
		126	-	127	LED PWM frequency 3600 Hz (hold 3 s)
		128	-	129	LED PWM frequency 12 kHz (hold 3 s)
		130	-	131	LED PWM frequency 25 kHz (hold 3 s)
		132	-	139	Spare
		140	-	141	Display on (hold 3 s)
		142	-	143	Display off (hold 3 s)
		144	-	163	Spare
		164	-	165	Dimmer Curve linear (hold 3 s)
		166	-	167	Dimmer Curve exponential (hold 3 s)
		168	-	169	Dimmer Curve logarithmic (hold 3 s)
		170	-	171	Dimmer Curve s-curve (hold 3 s)
		172	-	201	Spare
		202	-	203	Raw (color calibration off) (hold 3 s)
		204	-	205	Calibrated (color calibration on) (hold 3 s)
		206	-	207	User color calibration on (hold 3 s)
		208	-	221	Spare
		222	-	223	Reset Pan/Tilt (hold 3 s)
		224	-	227	Spare
		228	-	229	Reset Zoom (hold 3 s)
		230	-	235	Spare
		236	-	237	Reset All Functions (hold 3 s)
		238	-	245	Spare
		246	-	255	no function

16-CH Mode					
CH1	Pan	000	-	255	0 % to 100 %
CH2	Pan fine	000	-	255	0 % to 100 %
CH3	Tilt	000	-	255	0 % to 100 %
CH4	Tilt fine	000	-	255	0 % to 100 %
CH5	Dimmer	000	-	255	Master Dimmer 0-100 %
CH6	Dimmer fine	000	-	255	Master Dimmer fine 0-100 %
CH7	Red	000	-	255	0 % to 100 %
CH8	Green	000	-	255	0 % to 100 %
CH9	Blue	000	-	255	0 % to 100 %
CH10	White	000	-	255	0 % to 100 %
CH11	Zoom	000	-	255	narrow – wide
CH12	Running Effect Pattern	000	-	005	Off
		006	-	010	Effect 1 (4 Dots CW)
		011	-	015	Effect 2 (Circle 2 Step in > out)
		016	-	020	Effect 3 (Circle 2 Step Color Change in > out)

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CH12	Running Effect Pattern	021	-	025	Effect 4 (Clock hand – CW)
		026	-	030	Effect 5 (Ventilator – CW)
		031	-	035	Effect 6 (Bow runs left >)
		036	-	040	Effect 7 (Bow runs down >)
		041	-	045	Effect 8 (3-line to 2-line)
		046	-	050	Effect 9 (diamond change)
		051	-	055	Effect 10 (Small circle 2 Dots run)
		056	-	060	Effect 11 (Circle 3 step in > out)
		061	-	065	Effect 12 (2 Dots running on outer circle)
		066	-	070	Effect 13 (4 Dots running on outer circle)
		071	-	075	Effect 14 Even/Odd
		076	-	080	Effect 15 Random Single Dots Jump
		081	-	085	Effect 16 Random Single Dots Fade
		086	-	090	Effect 17 Raindrop Jump random
		091	-	095	Effect 18 Raindrop Fade random
		096	-	100	Effect 19 All Effects
		101	-	255	All LEDs on
CH13	Pattern Speed	000	-	005	Effect Pattern stop
		006	-	127	Effect Pattern Speed, slow > fast, forward
		128	-	255	Effect Pattern Speed, fast > slow, back
CH14	Pan/Tilt Macro (starts from current Pan/Tilt position)	000	-	005	off
		006	-	040	Pan small -> large
		041	-	075	Tilt small -> large
		076	-	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
CH15	Pan/Tilt Speed	000	-	255	Head movement speed
CH16	Device settings (please read remark 1*)	000	-	005	no function
		006	-	007	Blackout while moving on (hold 3 s)
		008	-	009	Blackout while moving off (hold 3 s)
		010	-	041	Spare
		042	-	043	Invert Pan on (hold 3 s)
		044	-	045	Invert Pan off (hold 5 s)
		046	-	047	Invert Tilt on (hold 3 s)
		048	-	049	Invert Tilt off (hold 5 s)
		050	-	073	Spare
		074	-	075	Dimmer Response LED (hold 3 s)
		076	-	077	Dimmer Response Halogen (hold 3 s)
		078	-	097	Spare

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CH16	Device settings (please read remark 1*)	098	-	099	Silent Fan (hold 3 s)
		100	-	101	Auto Fan (hold 3 s)
		102	-	103	Normal Fan (hold 3 s)
		104	-	119	Spare
		120	-	121	LED PWM frequency 800 Hz (hold 3 s)
		122	-	123	LED PWM frequency 1200 Hz (hold 3 s)
		124	-	125	LED PWM frequency 2000 Hz (hold 3 s)
		126	-	127	LED PWM frequency 3600 Hz (hold 3 s)
		128	-	129	LED PWM frequency 12 kHz (hold 3 s)
		130	-	131	LED PWM frequency 25 kHz (hold 3 s)
		132	-	139	Spare
		140	-	141	Display on (hold 3 s)
		142	-	143	Display off (hold 3 s)
		144	-	159	Spare
		160	-	161	LED arrangement normal (hold 3 s) (Standard)
		162	-	163	LED arrangement mirrored (hold 3 s)
		164	-	165	Dimmer Curve linear (hold 3 s)
		166	-	167	Dimmer Curve exponential (hold 3 s)
		168	-	169	Dimmer Curve logarithmic (hold 3 s)
		170	-	171	Dimmer Curve s-curve (hold 3 s)
		172	-	201	Spare
		202	-	203	Raw (color calibration off) (hold 3 s)
		204	-	205	Calibrated (color calibration on) (hold 3 s)
		206	-	207	User color calibration on (hold 3 s)
		208	-	221	Spare
		222	-	223	Reset Pan/Tilt (hold 3 s)
		224	-	227	Spare
		228	-	229	Reset Zoom (hold 3 s)
		230	-	235	Spare
		236	-	237	Reset All Functions (hold 3 s)
		238	-	245	Spare
		246	-	255	no function

EN: (1*) After the adjustments have been made, set the value to 000 to avoid disturbance by endless function call.

DE: (1*) Nachdem die Einstellungen vorgenommen wurden, stellen Sie den Wert auf 000 ein, um Störungen durch endlosen Funktionsaufruf zu vermeiden.

FR: (1*) Une fois les ajustements effectués, réglez la valeur sur 000 pour éviter les perturbations par appel de fonction sans fin.

ES: (1*) Después de realizar los ajustes, establezca el valor en 000 para evitar perturbaciones mediante una llamada de función sin fin.

PL: (1*) Po dokonaniu ustawień ustaw wartość na 000, aby uniknąć zakłóceń przez niekończące się wywołanie funkcji.

IT: (1*) Dopo aver effettuato le regolazioni, impostare il valore su 000 per evitare disturbi causati da una chiamata a funzione infinita.

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Pattern 1 - 100 (Pattern folder 1 + 2) 43CH Mode and 33CH Mode

