



Ch.	Function	Values	Sub-Group
1	Dimmer	000 - 255 0% to 100%	Dimmer
2	Strobe	000 - 005 Strobe open	Strobe
2	Strope	006 - 255 Strobe slow -> fast <1Hz - 20Hz	Strone
3	Zoom	000 - 255 0% to 100%	Zoom
		000 - 005 off	
	Auto Program	006 - 036 Auto Program 1	
		037 - 067 Auto Program 2	
		068 - 098 Auto Program 3	
4		099 - 129 Auto Program 4	Auto Program
		130 - 160 Auto Program 5	
		161 - 191 Auto Program 6	
		192 - 222 Auto Program 7	
		223 - 255 Auto Program 8	
5	Pan/Tilt Speed (Set Speed Auto Programms)	000 - 255 Pan/Tilt Fast -> Slow	Pan/Tilt speed

16 CH Mode						
Ch.	Function	Values	Sub-Group			
1	Pan	000 - 255 0% to 100%	Pan			
2	Pan fine	000 - 255 0% to 100%	Pall			
		000 - 005 no function				
3	Endless Pan rotation	006 - 126 clockwise pan rotation (fast to slow)	Endless Pan			
3	Liluiess Fail Iolation	127 - 128 no movement	Liluicss rail			
		129 - 255 counter clockwise pan rotation (slow to fast)				
4	Tilt	000 - 255 0% to 100%	Tilt			
5	Tilt fine	000 - 255 0% to 100%	TIIL			
		000 - 005 no function				
6	Endless Tilt rotation	Endless Tilt rotation 006 - 126 clockwise tilt rotation (fast to slow) 127 - 128 no movement				
U						
		129 - 255 counter clockwise tilt rotation (slow to fast)				
7	Dimmer	000 - 255 0% to 100%	Dimmer			
		000 - 005 Strobe open				
		006 - 010 Strobe closed				
		011 - 033 Puls Random, slow -> fast				
		034 - 056 Ramp up Random, slow -> fast				
8	Strobe functions	057 - 079 Ramp down Random, slow -> fast	multifunctional strobe			
		080 - 102 Random Strobe Effect, slow -> fast				
		103 - 127 Strobe Break Effekt, 5s1s (Short burst with break)				
		128 - 250 Strobe slow -> fast <1Hz - 20Hz				
		251 - 255 Strobe open				
9	Red	000 - 255 0% to 100%	Red			
10	Green	000 - 255 0% to 100%	Green			

#### UNLIMITED ROTATION BEAM MOVING HEAD WITH LED RING AND ZOOM DMX CONTROL TABLE



11	Blue	000 - 255 0% to 100%	Blue
12	White	000 - 255 0% to 100%	White
13	Zoom	000 - 255 0% to 100%	Zoom
		000 - 005 no function	
		006 - 032 Blackout while Moving on (Hold 3s)	
		033 - 059 Blackout while Moving off (Hold 5s)	
		060 - 086 Invert Pan on (Hold 3s)	
14	Device settings	087 - 113 Invert Pan off (Hold 5s)	Device settings
14	Device settings	114 - 140 Invert Tilt on (Hold 3s)	Device settings
		141 - 167 Invert Tilt off (Hold 5s)	
		168 - 194 Silent Fan on (Hold 3s)	
		195 - 221 Silent Fan off (Hold 5s)	
		222 - 255 Reset All Functions (Hold 3s)	
		000 - 005 Colour off	
		006 - 013 Colour Macro 1 (Colour Jump)	
		014 - 021 Colour Macro 2 (Red 1 Step)	
		022 - 029 Colour Macro 3 (Green 1 Step)	
		030 - 037 Colour Macro 4 (Blue 1 Step)	
		038 - 045 Colour Macro 5 (Yellow 1 Step)	
		046 - 053 Colour Macro 6 (Cyan 1 Step)	
		054 - 061 Colour Macro 7 (Magenta 1 Step)	
15	Colour Ring Macro	062 - 069 Colour Macro 8 (2step Magenta Yellow)	Colour Ring Macro
		070 - 077 Colour Macro 9 (2step Red Green)	
		078 - 085 Colour Macro 10 (2step Red Blue)	
		086 - 093 Colour Macro 11 (2step Blue Yellow)	
		094 - 101 Colour Macro 12 (2step Green Blue)	
		102 - 109 Colour Macro 13 (2step Magenta Blue)	
		110 - 117 Colour Macro 14 (2step Green Yellow)	
		118 - 125 Colour Macro 15 (2step Cyan Magenta)	
		126 - 133 Colour Macro 16 (2step Cyan Red)	
16	Colour Ring Macro Speed	000 - 255 slow > fast	Colour Ring Macro Speed

	21 CH Mode						
Ch.	Function				Values	Sub-Group	
1	Pan	000	-	255	0% to 100%	Don	
2	Pan fine	000	-	255	0% to 100%	Pan	
		000	-	005	no function		
			006	-	126	clockwise pan rotation (fast to slow)	
3	Endless Pan rotation	127	-	128	no movement	Endless Pan	
		129	-	255	counter clockwise pan rotation (slow to fast)		
4	Tilt	000	-	255	0% to 100%	T:I+	
5	Tilt fine	000	-	255	0% to 100%	- Tilt	

# UNLIMITED ROTATION BEAM MOVING HEAD WITH LED RING AND ZOOM DMX CONTROL TABLE



		000	-	005	no function	
		006	-	126	clockwise tilt rotation (fast to slow)	Fadlass Tilk
6	Endless Tilt rotation	127	-	128	no movement	Endless Tilt
İ		129	-	255	counter clockwise tilt rotation (slow to fast)	
7	Dimmer	000	-	255	0% to 100%	Dimmer
		000	-	005	Strobe open	
		006	-	010	Strobe closed	
		011	-	033	Pulse Random, slow -> fast	
ĺ		034	-	056	Ramp up Random, slow -> fast	
8	Strobe Functions	057	-	079	Ramp down Random, slow -> fast	Multifunctiona
"	ou obe i unctions	080	-	102	Random Strobe Effect, slow -> fast	Strobe
		103	-	127	Strobe Break Effect, 5s1s (Short burst with break)	
		128	-	250	Strobe slow -> fast <1Hz - 20Hz	
İ		251	-	255	Strobe open	
9	Red	000	-	255	0% to 100%	Red
10	Green	000	-	255	0% to 100%	Green
11	Blue	000	-	255	0% to 100%	Blue
12	White	000	-	255	0% to 100%	White
13	Zoom	000	-	255	0% to 100%	Zoom
		000	-	005	no function	
		006	-	032	Blackout while Moving on (Hold 3s)	
		033	-	059	Blackout while Moving off (Hold 5s)	
		060	-	086	Invert Pan on (Hold 3s)	
14	Device settings	087	-	113	Invert Pan off (Hold 5s)	Device setting
14	Device Settings	114	-	140	Invert Tilt on (Hold 3s)	Device Settings
		141	-	167	Invert Tilt off (Hold 5s)	
		168	-	194	Silent Fan on (Hold 3s)	
		195	-	221	Silent Fan off (Hold 5s)	
		222	-	255	Reset All Functions (Hold 3s)	
15	Dimmer Colour Ring	000	-	255	0% to 100%	Dimmer
16	Ctrobo Colour Disa	000	-	005	Strobe open	Ctrobo
10	Strobe Colour Ring	006	-	255	Strobe slow -> fast <1Hz - 20Hz	Strobe
17	Colour Red	000	-	255	0% to 100%	
18	Colour Green	000	-	255	0% to 100%	Colour Ring
19	Colour Blue	000	-	255	0% to 100%	]

#### UNLIMITED ROTATION BEAM MOVING HEAD WITH LED RING AND ZOOM DMX CONTROL TABLE



		000	-	005	Colour off								
		006	-	013	Colour Macro 1 (Colour Jump)								
		014	-	021	Colour Macro 2 (Red 1 Step)								
		022	-	029	Colour Macro 3 (Green 1 Step)								
		030	-	037	Colour Macro 4 (Blue 1 Step)								
		038	-	045	Colour Macro 5 (Yellow 1 Step)								
		046	-	053	Colour Macro 6 (Cyan 1 Step)								
	Out - D' - Marin	054	-	061	Colour Macro 7 (Magenta 1 Step)								
20	Colour Ring Macro	062	-	069	Colour Macro 8 (2step Magenta Yellow)	Colour Ring Macro							
		070	-	077	Colour Macro 9 (2step Red Green)								
		078	-	085	Colour Macro 10 (2step Red Blue)								
		086	-	093	Colour Macro 11 (2step Blue Yellow)								
		094	-	101	Colour Macro 12 (2step Green Blue)								
		102	-	109	Colour Macro 13 (2step Magenta Blue)								
			110	-	117	Colour Macro 14 (2step Green Yellow)							
											118	-	125
		126	-	133	Colour Macro 16 (2step Cyan Red)								
21	Colour Ring Macro Speed	000	-	255	slow > fast	Colour Ring Macro Speed							

		36 CH Mode	
Ch.	Function	Values	Sub-Group
1	Pan	000 - 255 0% to 100%	Pan
2	Pan fine	000 - 255 0% to 100%	Fall
		000 - 005 no function	
3	Endless Pan rotation	006 - 126 clockwise pan rotation (fast to slow)	Endless Pan
3	Liluicss Fail Iolation	127 - 128 no movement	Liluiess Faii
		129 - 255 counter clockwise pan rotation (slow to fast)	
4	Tilt	000 - 255 0% to 100%	Tilt
5	Tilt fine	000 - 255 0% to 100%	TIIL
	Endless Tilt rotation	000 - 005 no function	
6		006 - 126 clockwise tilt rotation (fast to slow)	Endless Tilt
"		127 - 128 no movement	Liluless IIII
		129 - 255 counter clockwise tilt rotation (slow to fast)	
7	Dimmer	000 - 255 0% to 100%	Dimmer
8	Dimmer fine	000 - 255 0% to 100%	Dillilliei
		000 - 005 Strobe open	
		006 - 010 Strobe closed	
		011 - 033 Puls Random, slow -> fast	
		034 - 056 Ramp up Random, slow -> fast	
9	Strobe functions	057 - 079 Ramp down Random, slow -> fast	multifunctional strobe
		080 - 102 Random Strobe Effect, slow -> fast	- Gu obo
		103 - 127 Strobe Break Effekt, 5s1s (Short burst with break)	
		128 - 250 Strobe slow -> fast <1Hz - 20Hz	
		251 - 255 Strobe open	





10	Red	000 - 255 0% to 100%	Red
11	Green	000 - 255 0% to 100%	Green
12	Blue	000 - 255 0% to 100%	Blue
13	White	000 - 255 0% to 100%	White
		000 - 005 Colour off	
		006 - 013 Red	
		014 - 021 Amber	
		022 - 029 Yellow warm	
		030 - 037 Yellow	
		038 - 045 Green	
		046 - 053 Turquoise	
		054 - 061 Cyan	
		062 - 069 Blue	
14	Colour Macro (override RGBW)	070 - 077 Lavender	Colour Macro
	(Override habyy)	078 - 085 Mauve	
		086 - 093 Magenta	
		094 - 101 Pink	
		102 - 109 Warm White	
		110 - 117 White	
		118 - 125 Cold White	
		126 - 127 Colour Jumping Stop	
		128 - 191 Colour Jumping Speed slow -> fast / Colour 1 -> 12	
		192 - 255 Colour Fading Speed slow -> fast / Colour 1 -> 12	
15	Zoom	000 - 255 0% to 100%	Zoom
		000 - 005 off	
		006 - 036 Auto Program 1	
		037 - 067 Auto Program 2	
		068 - 098 Auto Program 3	
16	Auto Program	099 - 129 Auto Program 4	Auto Program
		130 - 160 Auto Program 5	
		161 - 191 Auto Program 6	
		192 - 222 Auto Program 7	
		223 - 255 Auto Program 8	
		000 - 005 off	
		006 - 040 PAN "small > big"	
		041 - 075 TILT "small > big"	
17	Pan/Tilt Macro	076 - 110 PAN / TILT "small > big"	Auto Movement
''	ran/ int watto	111 - 145 PAN / TILT (invers) "small > big"	Auto Movement
		146 - 180 Circle "small > big"	
		181 - 215 Circle (invers) "small > big"	
I	I	216 - 255 Random "small > big"	





18			I	1	
Set dimmer curve					
128 - 191 Logarithmic Dimmer Curve   192 - 255 S-Curve Dimmer Curve   192 - 255 S-Curve Dimmer Curve   192 - 255 S-Curve Dimmer Curve   192 - 255 S-Curve Dimmer Curve   192 - 255 S-Curve Dimmer Curve   192 - 255 S-Curve Dimmer Curve   192 - 255 S-Curve Dimmer Curve   192 - 255 S-Curve Dimmer Curve   192 - 255 S-Curve Dimmer Curve   192 - 255 S-Curve Dimmer Curve   193 - 255 S-Curve Dimmer Curve   194 - 255 S-Curve Dimmer Curve   194 - 255 S-Curve Dimmer Curve   194 - 255 S-Curve Dimmer Curve   194 - 255 S-Curve Dimmer Curve   195 - 255 S-Curve Dimmer Curve   195 - 255 S-Curve Dimmer Curve   195 - 255 S-Curve Dimmer Curve   195 - 255 S-Curve Dimmer Curve   195 - 255 S-Curve Dimmer Curve   195 - 255 S-Curve Dimmer Curve   195 - 255 S-Curve Dimmer Curve   195 - 255 S-Curve Dimmer Curve   195 - 255 S-Curve Dimmer Curve   196 - 255 S-Curve Dimmer Cu	18				
192 - 255 S-Curve Dimmer Curve		Set dimmer curve	064 - 127 Exponential Dimmer Curve	Set dimmer curve	
Pan/Tilt Speed (Set Speed of Pan&Tilt / Auto Programms / Pan&Tilt Macros)					
Pan&Tilt / Auto Programms / Pan&Tilt Macros)			192 - 255 S-Curve Dimmer Curve		
Device settings	19	Pan&Tilt / Auto Programms /	000 - 255 Pan/Tilt Fast -> Slow	Pan/Tilt speed	
Device settings			000 - 005 no function		
Device settings			006 - 032 Blackout while Moving on (Hold 3s)		
Device settings   Device settings   114 - 140 Invert Tilt on (Hold 5s)   114 - 140 Invert Tilt on (Hold 3s)   141 - 167 Invert Tilt off (Hold 5s)   168 - 194 Silent Fan on (Hold 3s)   195 - 221 Silent Fan off (Hold 5s)   222 - 255 Reset All Functions (Hold 3s)   222 - 255 Reset All Functions (Hold 3s)   222 - 255 Reset All Functions (Hold 3s)   222 - 255 Strobe slow -> fast <1Hz - 20Hz   Strobe Colour Ring   000 - 025 Strobe open   O06 - 255 Strobe slow -> fast <1Hz - 20Hz   Strobe Str			033 - 059 Blackout while Moving off (Hold 5s)		
Device settings			060 - 086 Invert Pan on (Hold 3s)		
114 - 140 Invert Tilt on (Hold 3s)	20	Davisa sattings	087 - 113 Invert Pan off (Hold 5s)	Davisa settings	
168 - 194 Silent Fan on (Hold 3s)     195 - 221 Silent Fan off (Hold 5s)     222 - 255 Reset All Functions (Hold 3s)     21	20	Device settings	114 - 140 Invert Tilt on (Hold 3s)	Device settings	
195 - 221 Silent Fan off (Hold 5s)			141 - 167 Invert Tilt off (Hold 5s)		
222 - 255 Reset All Functions (Hold 3s)			168 - 194 Silent Fan on (Hold 3s)		
21         Dimmer Colour Ring         000 - 255 0% to 100%         Dimmer           22         Strobe Colour Ring         000 - 005 Strobe open         Strobe           23         Red1         000 - 255 Strobe slow -> fast <1Hz - 20Hz			195 - 221 Silent Fan off (Hold 5s)		
22     Strobe Colour Ring     000 - 005 Strobe open       23     Red1     000 - 255 0% to 100%       24     Green1     000 - 255 0% to 100%       25     Blue1     000 - 255 0% to 100%       26     Red2     000 - 255 0% to 100%       27     Green2     000 - 255 0% to 100%       28     Blue2     000 - 255 0% to 100%       29     Red3     000 - 255 0% to 100%       30     Green3     000 - 255 0% to 100%       31     Blue3     000 - 255 0% to 100%       32     Red4     000 - 255 0% to 100%       33     Green4     000 - 255 0% to 100%			222 - 255 Reset All Functions (Hold 3s)		
22         Strobe Colour Ring         006 - 255 Strobe slow -> fast <1Hz - 20Hz           23         Red1         000 - 255 0% to 100%           24         Green1         000 - 255 0% to 100%           25         Blue1         000 - 255 0% to 100%           26         Red2         000 - 255 0% to 100%           27         Green2         000 - 255 0% to 100%           28         Blue2         000 - 255 0% to 100%           29         Red3         000 - 255 0% to 100%           30         Green3         000 - 255 0% to 100%           31         Blue3         000 - 255 0% to 100%           32         Red4         000 - 255 0% to 100%           33         Green4         000 - 255 0% to 100%	21	Dimmer Colour Ring	000 - 255 0% to 100%	Dimmer	
23 Red1 000 - 255 Strobe slow -> fast <1Hz - 20Hz  24 Green1 000 - 255 0% to 100%  25 Blue1 000 - 255 0% to 100%  26 Red2 000 - 255 0% to 100%  27 Green2 000 - 255 0% to 100%  28 Blue2 000 - 255 0% to 100%  29 Red3 000 - 255 0% to 100%  30 Green3 000 - 255 0% to 100%  31 Blue3 000 - 255 0% to 100%  32 Red4 000 - 255 0% to 100%  33 Green4 000 - 255 0% to 100%	22	Stroba Colour Dina	000 - 005 Strobe open	Strobo	
24 Green1 000 - 255 0% to 100% 25 Blue1 000 - 255 0% to 100% 26 Red2 000 - 255 0% to 100% 27 Green2 000 - 255 0% to 100% 28 Blue2 000 - 255 0% to 100% 29 Red3 000 - 255 0% to 100% 30 Green3 000 - 255 0% to 100% 31 Blue3 000 - 255 0% to 100% 32 Red4 000 - 255 0% to 100% 33 Green4 000 - 255 0% to 100%	22	Strobe colour ring	006 - 255 Strobe slow -> fast <1Hz - 20Hz	311006	
25 Blue1 000 - 255 0% to 100% 26 Red2 000 - 255 0% to 100% 27 Green2 000 - 255 0% to 100% 28 Blue2 000 - 255 0% to 100% 29 Red3 000 - 255 0% to 100% 30 Green3 000 - 255 0% to 100% 31 Blue3 000 - 255 0% to 100% 32 Red4 000 - 255 0% to 100% 33 Green4 000 - 255 0% to 100%	23	Red1	000 - 255 0% to 100%		
26 Red2 000 - 255 0% to 100% 27 Green2 000 - 255 0% to 100% 28 Blue2 000 - 255 0% to 100% 29 Red3 000 - 255 0% to 100% 30 Green3 000 - 255 0% to 100% 31 Blue3 000 - 255 0% to 100% 32 Red4 000 - 255 0% to 100% 33 Green4 000 - 255 0% to 100%	24	Green1	000 - 255 0% to 100%		
27 Green2 000 - 255 0% to 100% 28 Blue2 000 - 255 0% to 100% 29 Red3 000 - 255 0% to 100% 30 Green3 000 - 255 0% to 100% 31 Blue3 000 - 255 0% to 100% 32 Red4 000 - 255 0% to 100% 33 Green4 000 - 255 0% to 100%	25	Blue1	000 - 255 0% to 100%		
28 Blue2 000 - 255 0% to 100% 29 Red3 000 - 255 0% to 100% 30 Green3 000 - 255 0% to 100% 31 Blue3 000 - 255 0% to 100% 32 Red4 000 - 255 0% to 100% 33 Green4 000 - 255 0% to 100%	26	Red2	000 - 255 0% to 100%		
29 Red3 000 - 255 0% to 100% 30 Green3 000 - 255 0% to 100% 31 Blue3 000 - 255 0% to 100% 32 Red4 000 - 255 0% to 100% 33 Green4 000 - 255 0% to 100%	27	Green2	000 - 255 0% to 100%		
29 Red3 000 - 255 0% to 100% 30 Green3 000 - 255 0% to 100% 31 Blue3 000 - 255 0% to 100% 32 Red4 000 - 255 0% to 100% 33 Green4 000 - 255 0% to 100%	28	Blue2	000 - 255 0% to 100%	Colour Ring	
31 Blue3 000 - 255 0% to 100% 32 Red4 000 - 255 0% to 100% 33 Green4 000 - 255 0% to 100%	29	Red3	000 - 255 0% to 100%	Outur ming	
32 Red4 000 - 255 0% to 100% 33 Green4 000 - 255 0% to 100%	30	Green3	000 - 255 0% to 100%		
33 Green4 000 - 255 0% to 100%	31	Blue3	000 - 255 0% to 100%		
	32	Red4	000 - 255 0% to 100%		
34 Blue4 000 - 255 0% to 100%	33	Green4	000 - 255 0% to 100%		
	34	Blue4	000 - 255 0% to 100%		





		000 005 0-1		
		000 - 005 Colour off		
		006 - 013 Colour Macro 1 (Colour Jump)		
		014 - 021 Colour Macro 2 (Red 1 Step)		
		022 - 029 Colour Macro 3 (Green 1 Step)		
		030 - 037 Colour Macro 4 (Blue 1 Step)		
		038 - 045 Colour Macro 5 (Yellow 1 Step)		
		046 - 053 Colour Macro 6 (Cyan 1 Step)		
	Colour Ring Macro (override RGB)	054 - 061 Colour Macro 7 (Magenta 1 Step)		
35		062 - 069 Colour Macro 8 (2step Magenta Yellow)	Colour Ring Macro	
		070 - 077 Colour Macro 9 (2step Red Green)		
		078 - 085 Colour Macro 10 (2step Red Blue)		
		086 - 093 Colour Macro 11 (2step Blue Yellow)		
		094 - 101 Colour Macro 12 (2step Green Blue)		
		102 - 109 Colour Macro 13 (2step Magenta Blue)		
		110 - 117 Colour Macro 14 (2step Green Yellow)		
		118 - 125 Colour Macro 15 (2step Cyan Magenta)	118 - 125 Colour Macro 15 (2step Cyan Magenta)	
		126 - 133 Colour Macro 16 (2step Cyan Red)		
36	Colour Ring Macro Speed	000 - 255 slow > fast	Colour Ring Macro Speed	