

MOVO BEAM 200

ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



4 Channel Mode					
Ch.	Function	Values			
1	Dimmer	000	-	255	Dimmer 0% - 100%
2	Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	022	Ramp up/down, slow -> fast
		023	-	033	Ramp up/down random, slow->fast
		034	-	045	Ramp up, slow -> fast
		046	-	056	Ramp up random, slow -> fast
		057	-	068	Ramp down, slow -> fast
		069	-	079	Ramp down random, slow -> fast
		080	-	102	Random Strobe effect, slow -> fast
		103	-	127	Strobe Break effect, 5s.....1s (short burst with break)
		128	-	250	Strobe slow -> fast <1Hz - 20Hz
3	Auto Program	251	-	255	Strobe open
		000	-	005	No function
		006	-	036	Auto Program 01
		037	-	067	Auto Program 02
		068	-	098	Auto Program 03
		099	-	129	Auto Program 04
		130	-	160	Auto Program 05
		161	-	191	Auto Program 06
		192	-	222	Auto Program 07
223	-	255	Auto Program 08		
4	Pan/Tilt Speed	000	-	255	Fast -> slow

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15 Channel Mode				
Ch.	Function	Values		
1	Pan	000	-	255 0% - 100%
2	Pan fine	000	-	255 0% - 100%
3	Endless Pan	000	-	005 No Function
		006	-	126 Forward Rotation fast -> slow
		127	-	128 Stop
		129	-	255 Backward Rotation slow -> fast
4	Tilt	000	-	255 0% - 100%
5	Tilt fine	000	-	255 0% - 100%
6	Endless Tilt	000	-	005 No Function
		006	-	126 Forward Rotation fast -> slow
		127	-	128 Stop
		129	-	255 Backward Rotation slow -> fast
7	Dimmer	000	-	255 0% - 100%
8	Strobe	000	-	005 Strobe open
		006	-	010 Strobe closed
		011	-	022 Ramp up/down, slow -> fast
		023	-	033 Ramp up/down random, slow->fast
		034	-	045 Ramp up, slow -> fast
		046	-	056 Ramp up random, slow -> fast
		057	-	068 Ramp down, slow -> fast
		069	-	079 Ramp down random, slow -> fast
		080	-	102 Random Strobe effect, slow -> fast
		103	-	127 Strobe Break effect, 5s.....1s (short burst with break)
		128	-	250 Strobe slow -> fast <1Hz - 20Hz
		251	-	255 Strobe open
9	Red	000	-	255 0% - 100%
10	Green	000	-	255 0% - 100%
11	Blue	000	-	255 0% - 100%
12	White	000	-	255 0% - 100%

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13	Control (please read remark 1*)	000	-	005	No Function
		006	-	032	Blackout while Moving on (hold 3 sec)
		033	-	059	Blackout while Moving off (hold 3 sec)
		060	-	086	Invert Pan on (hold 3 sec)
		087	-	113	Invert Pan off (hold 3 sec)
		114	-	140	Invert Tilt on (hold 3 sec)
		141	-	167	Invert Tilt off (hold 3 sec)
		168	-	194	Silent Fan on (hold 3 sec)
		195	-	221	Silent Fan off (hold 3 sec)
		222	-	255	Reset
14	Color Ring Macro	000	-	005	Color Off
		006	-	013	Color Macro 1
		014	-	021	Color Macro 2
		022	-	029	Color Macro 3
		030	-	037	Color Macro 4
		038	-	045	Color Macro 5
		046	-	053	Color Macro 6
		054	-	061	Color Macro 7
		062	-	069	Color Macro 8
		070	-	077	Color Macro 9
		078	-	085	Color Macro 10
		086	-	093	Color Macro 11
		094	-	101	Color Macro 12
		102	-	109	Color Macro 13
		110	-	117	Color Macro 14
		118	-	125	Color Macro 15
		126	-	133	Color Macro 16
134	-	255	No function		
15	Color Ring Macro Speed	000	-	255	Slow -> fast

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16 Channel Mode				
Ch.	Function	Values		
1	Pan	000	-	255 0% - 100%
2	Endless Pan	000	-	005 No Function
		006	-	126 Forward Rotation fast -> slow
		127	-	128 Stop
		129	-	255 Backward Rotation slow -> fast
3	Tilt	000	-	255 0% - 100%
4	Endless Tilt	000	-	005 No Function
		006	-	126 Forward Rotation fast -> slow
		127	-	128 Stop
		129	-	255 Backward Rotation slow -> fast
5	Dimmer	000	-	255 0% - 100%
6	Strobe	000	-	005 Strobe open
		006	-	010 Strobe closed
		011	-	022 Ramp up/down, slow -> fast
		023	-	033 Ramp up/down random, slow->fast
		034	-	045 Ramp up, slow -> fast
		046	-	056 Ramp up random, slow -> fast
		057	-	068 Ramp down, slow -> fast
		069	-	079 Ramp down random, slow -> fast
		080	-	102 Random Strobe effect, slow -> fast
		103	-	127 Strobe Break effect, 5s.1s (short burst with break)
		128	-	250 Strobe slow -> fast <1Hz - 20Hz
251	-	255 Strobe open		
7	Red	000	-	255 0% - 100%
8	Green	000	-	255 0% - 100%
9	Blue	000	-	255 0% - 100%
10	White	000	-	255 0% - 100%

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11	Control (please read remark 1*)	000	-	005	No function
		006	-	007	Blackout while moving on (hold 3s)
		008	-	009	Blackout while moving off (hold 3s)
		010	-	041	No function
		042	-	043	Invert Pan on (hold 3s)
		044	-	045	Invert Pan off (hold 3s)
		046	-	047	Invert Tilt on (hold 3s)
		048	-	049	Invert Tilt off (hold 3s)
		050	-	097	No function
		098	-	099	Normal Fan (hold 3s)
		100	-	101	Silent Fan (hold 3s)
		102	-	139	No function
		140	-	141	Display on (hold 3s)
		142	-	143	Display off (hold 3s)
		144	-	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	-	221	No function
222	-	223	Reset Pan / Tilt (hold 3s)		
224	-	235	No function		
236	-	237	Reset All Functions (hold 3s)		
238	-	239	No function		
240	-	245	No function		
246	-	255	No function		
12	Dimmer Color Ring	000	-	255	0% - 100%

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13	Strobe Color Ring	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	022	Ramp up/down, slow -> fast
		023	-	033	Ramp up/down random, slow->fast
		034	-	045	Ramp up, slow -> fast
		046	-	056	Ramp up random, slow -> fast
		057	-	068	Ramp down, slow -> fast
		069	-	079	Ramp down random, slow -> fast
		080	-	102	Random Strobe effect, slow -> fast
		103	-	127	Strobe Break effect, 5s.....1s (short burst with break)
		128	-	250	Strobe slow -> fast <1Hz - 20Hz
		251	-	255	Strobe open
		14	Red Color Ring	000	-
15	Green Color Ring	000	-	255	0% - 100%
16	Blue Color Ring	000	-	255	0% - 100%

20 Channel Mode					
Ch.	Function	Values			
1	Pan	000	-	255	0% - 100%
2	Pan fine	000	-	255	0% - 100%
3	Endless Pan	000	-	005	No function
		006	-	126	Forward Rotation fast -> slow
		127	-	128	Stop
		129	-	255	Backward Rotation slow -> fast
4	Tilt	000	-	255	0% - 100%
5	Tilt fine	000	-	255	0% - 100%
6	Endless Tilt	000	-	005	No function
		006	-	126	Forward Rotation fast -> slow
		127	-	128	Stop
		129	-	255	Backward Rotation slow -> fast
7	Dimmer	000	-	255	0% - 100%

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8	Strobe	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	022	Ramp up/down, slow -> fast
		023	-	033	Ramp up/down random, slow->fast
		034	-	045	Ramp up, slow -> fast
		046	-	056	Ramp up random, slow -> fast
		057	-	068	Ramp down, slow -> fast
		069	-	079	Ramp down random, slow -> fast
		080	-	102	Random Strobe effect, slow -> fast
		103	-	127	Strobe Break effect, 5s.....1s (short burst with break)
		128	-	250	Strobe slow -> fast <1Hz - 20Hz
		251	-	255	Strobe open
		9	Red	000	-
10	Green	000	-	255	0% - 100%
11	Blue	000	-	255	0% - 100%
12	White	000	-	255	0% - 100%
13	Control (please read remark 1*)	000	-	005	No function
		006	-	032	Blackout while Moving on (hold 3 sec)
		033	-	059	Blackout while Moving off (hold 3 sec)
		060	-	086	Invert Pan on (hold 3 sec)
		087	-	113	Invert Pan off (hold 3 sec)
		114	-	140	Invert Tilt on (hold 3 sec)
		141	-	167	Invert Tilt off (hold 3 sec)
		168	-	194	Silent Fan on (hold 3 sec)
		195	-	221	Silent Fan off (hold 3 sec)
		222	-	255	Reset
14	Dimmer Color Ring	000	-	255	0% - 100%

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15	Strobe Color Ring	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	022	Ramp up/down, slow -> fast
		023	-	033	Ramp up/down random, slow->fast
		034	-	045	Ramp up, slow -> fast
		046	-	056	Ramp up random, slow -> fast
		057	-	068	Ramp down, slow -> fast
		069	-	079	Ramp down random, slow -> fast
		080	-	102	Random Strobe effect, slow -> fast
		103	-	127	Strobe Break effect, 5s.....1s (short burst with break)
		128	-	250	Strobe slow -> fast <1Hz - 20Hz
		251	-	255	Strobe open
		16	Red Color Ring	000	-
17	Green Color Ring	000	-	255	0% - 100%
18	Blue Color Ring	000	-	255	0% - 100%
19	Color Ring Macro	000	-	005	Color Off
		006	-	013	Color Macro 1
		014	-	021	Color Macro 2
		022	-	029	Color Macro 3
		030	-	037	Color Macro 4
		038	-	045	Color Macro 5
		046	-	053	Color Macro 6
		054	-	061	Color Macro 7
		062	-	069	Color Macro 8
		070	-	077	Color Macro 9
		078	-	085	Color Macro 10
		086	-	093	Color Macro 11
		094	-	101	Color Macro 12
		102	-	109	Color Macro 13
		110	-	117	Color Macro 14
		118	-	125	Color Macro 15
		126	-	133	Color Macro 16
134	-	255	No function		
20	Color Ring Macro Speed	000	-	255	Slow -> fast

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35 Channel Mode			
Ch.	Function	Values	
1	Pan	000 - 255	0% - 100%
2	Pan fine	000 - 255	0% - 100%
3	Endless Pan	000 - 005	No function
		006 - 126	Forward Rotation fast -> slow
		127 - 128	Stop
		129 - 255	Backward Rotation slow -> fast
4	Tilt	000 - 255	0% - 100%
5	Tilt fine	000 - 255	0% - 100%
6	Endless Tilt	000 - 005	No function
		006 - 126	Forward Rotation fast -> slow
		127 - 128	Stop
		129 - 255	Backward Rotation slow -> fast
7	Dimmer	000 - 255	0% - 100%
8	Dimmer fine	000 - 255	0% - 100%
9	Strobe	000 - 005	Strobe open
		006 - 010	Strobe closed
		011 - 022	Ramp up/down, slow -> fast
		023 - 033	Ramp up/down random, slow->fast
		034 - 045	Ramp up, slow -> fast
		046 - 056	Ramp up random, slow -> fast
		057 - 068	Ramp down, slow -> fast
		069 - 079	Ramp down random, slow -> fast
		080 - 102	Random Strobe effect, slow -> fast
		103 - 127	Strobe Break effect, 5s.....1s (short burst with break)
		128 - 250	Strobe slow -> fast <1Hz - 20Hz
251 - 255	Strobe open		
10	Red	000 - 255	0% - 100%
11	Green	000 - 255	0% - 100%
12	Blue	000 - 255	0% - 100%
13	White	000 - 255	0% - 100%

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14	Color Macro (override RGBW)	000 - 005	Color 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
		070 - 077	Lavender
		078 - 085	Mauve
		086 - 093	Magenta
		094 - 101	Pink
		102 - 109	Warm White
		110 - 117	White
		118 - 125	Cold White
		126 - 127	Color Jumping Stop
		128 - 191	Color Jumping Speed slow -> fast / Color 1 -> 12
		192 - 255	Color Fading Speed slow -> fast / Color 1 -> 12
15	Auto Pro- gram	000 - 005	No function
		006 - 036	Auto Program 01
		037 - 067	Auto Program 02
		068 - 098	Auto Program 03
		099 - 129	Auto Program 04
		130 - 160	Auto Program 05
		161 - 191	Auto Program 06
		192 - 222	Auto Program 07
		223 - 255	Auto Program 08
16	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

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17	Dimmer Curve	000	-	005	No function
		006	-	063	Linear Dimmer Curve
		064	-	127	Exponential Dimmer Curve
		128	-	191	Logarithmic Dimmer Curve
		192	-	255	S-Dimmer Curve
18	Pan/Tilt Speed	000	-	255	Fast -> slow
19	Control (please read remark 1*)	000	-	005	No function
		006	-	032	Blackout while Moving on (hold 3 sec)
		033	-	059	Blackout while Moving off (hold 3 sec)
		060	-	086	Invert Pan on (hold 3 sec)
		087	-	113	Invert Pan off (hold 3 sec)
		114	-	140	Invert Tilt on (hold 3 sec)
		141	-	167	Invert Tilt off (hold 3 sec)
		168	-	194	Silent Fan on (hold 3 sec)
		195	-	221	Silent Fan off (hold 3 sec)
222	-	255	Unit restart (hold 3 sec)		
20	Dimmer Ring	000	-	255	0% to 100%
21	Strobe Color Ring	000	-	005	Strobe open
		006	-	010	Strobe closed
		011	-	022	Ramp up/down, slow -> fast
		023	-	033	Ramp up/down random, slow->fast
		034	-	045	Ramp up, slow -> fast
		046	-	056	Ramp up random, slow -> fast
		057	-	068	Ramp down, slow -> fast
		069	-	079	Ramp down random, slow -> fast
		080	-	102	Random Strobe effect, slow -> fast
		103	-	127	Strobe Break effect, 5s.....1s (short burst with break)
		128	-	250	Strobe slow -> fast <1Hz - 20Hz
		251	-	255	Strobe open
22	Color Ring Red 1	000	-	255	0% - 100%
23	Color Ring Green1	000	-	255	0% - 100%
24	Color Ring Blue 1	000	-	255	0% - 100%
25	Color Ring Red 2	000	-	255	0% - 100%

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26	Color Ring Green 2	000	-	255	0% - 100%
27	Color Ring Blue 2	000	-	255	0% - 100%
28	Color Ring Red 3	000	-	255	0% - 100%
29	Color Ring Green 3	000	-	255	0% - 100%
30	Color Ring Blue 3	000	-	255	0% - 100%
31	Color Ring Red 4	000	-	255	0% - 100%
32	Color Ring Green 4	000	-	255	0% - 100%
33	Color Ring Blue 4	000	-	255	0% - 100%
34	Color Ring Macro	000	-	005	Color Off
		006	-	013	Color Macro 1
		014	-	021	Color Macro 2
		022	-	029	Color Macro 3
		030	-	037	Color Macro 4
		038	-	045	Color Macro 5
		046	-	053	Color Macro 6
		054	-	061	Color Macro 7
		062	-	069	Color Macro 8
		070	-	077	Color Macro 9
		078	-	085	Color Macro 10
		086	-	093	Color Macro 11
		094	-	101	Color Macro 12
		102	-	109	Color Macro 13
		110	-	117	Color Macro 14
118	-	125	Color Macro 15		
126	-	133	Color Macro 16		
134	-	255	No function		
35	Color Ring Macro Speed	000	-	255	Slow -> fast

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42 Channel Mode				
Ch.	Function	Values		
1	Pan	000	-	255 0% - 100%
2	Pan fine	000	-	255 0% - 100%
3	Endless Pan	000	-	005 No Function
		006	-	126 Forward Rotation fast to slow
		127	-	128 Stop
		129	-	255 Backward Rotation slow to fast
4	Tilt	000	-	255 0% - 100%
5	Tilt fine	000	-	255 0% - 100%
6	Endless Tilt	000	-	005 No Function
		006	-	126 Forward Rotation fast to slow
		127	-	128 Stop
		129	-	255 Backward Rotation slow to fast
7	Dimmer	000	-	255 0% - 100%
8	Dimmer fine	000	-	255 0% - 100%
9	Strobe	000	-	005 Strobe open
		006	-	010 Strobe closed
		011	-	022 Ramp up/down, slow -> fast
		023	-	033 Ramp up/down random, slow->fast
		034	-	045 Ramp up, slow -> fast
		046	-	056 Ramp up random, slow -> fast
		057	-	068 Ramp down, slow -> fast
		069	-	079 Ramp down random, slow -> fast
		080	-	102 Random Strobe effect, slow -> fast
		103	-	127 Strobe Break effect, 5s.....1s (short burst with break)
		128	-	250 Strobe slow -> fast <1Hz - 20Hz
251	-	255 Strobe open		
10	Red	000	-	255 0% - 100%
11	Green	000	-	255 0% - 100%
12	Blue	000	-	255 0% - 100%
13	White	000	-	255 0% - 100%

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14	Color Macro (Override RGBW)	000	-	005	Color 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
		070	-	077	of
		078	-	085	Mauve
		086	-	093	Magenta
		094	-	101	Pink
		102	-	109	Warm White
		110	-	117	White
		118	-	125	Cold White
		126	-	127	Color Jumping Stop
128	-	191	Color Jumping Speed slow -> fast / Color 1 -> 12		
192	-	255	Color Fading Speed slow -> fast / Color 1 -> 12		
15	Auto Program	000	-	005	No Function
		006	-	036	Auto Program 01
		037	-	067	Auto Program 02
		068	-	098	Auto Program 03
		099	-	129	Auto Program 04
		130	-	160	Auto Program 05
		161	-	191	Auto Program 06
		192	-	222	Auto Program 07
		223	-	255	Auto Program 08
16	P/T Macro	000	-	005	No Function
		006	-	255	Macros
17	Pan/Tilt Speed normal	000	-	255	Pan/Tilt Fast -> Slow

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18	Control (please read remark 1*)	000	-	005	no function
		006	-	007	Blackout while moving on (hold 3s)
		008	-	009	Blackout while moving off (hold 3s)
		010	-	041	Spare
		042	-	043	Invert Pan on (hold 3s)
		044	-	045	Invert Pan off (hold 3s)
		046	-	047	Invert Tilt on (hold 3s)
		048	-	049	Invert Tilt off (hold 3s)
		050	-	097	Spare
		098	-	099	Normal Fan (hold 3s)
		100	-	101	Silent Fan (hold 3s)
		102	-	139	Spare
		140	-	141	Display on (hold 3s)
		142	-	143	Display off (hold 3s)
		144	-	163	Spare
		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	-	221	Spare
		222	-	223	Reset Pan / Tilt (hold 3s)
		224	-	235	Spare
		236	-	237	Reset All Functions (hold 3s)
		238	-	239	Reset (except User Color/Loops) (hold 3s)
240	-	245	Spare		
246	-	255	no function		
Layer 1					
19	Ring Dimmer	000	-	255	0% to 100%
20	Ring Effect Red	000	-	255	0% - 100%
21	Ring Effect Green	000	-	255	0% - 100%
22	Ring Effect Blue	000	-	255	0% - 100%
23	Ring Backgro- und Red	000	-	255	0% - 100%
24	Ring Backgro- und Green	000	-	255	0% - 100%
25	Ring Backgro- und Blue	000	-	255	0% - 100%

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26	Ring FX Select	000	-	000	Off
					One Color Paparazzi-Snap
		001	-	001	Example Effect
		002	-	002	Slow- low density
		003	-	003	Slow - medium density
		004	-	004	Slow - high density
		005	-	005	Slow - linear
		006	-	006	Medium - low density
		007	-	007	Medium - medium density
		008	-	008	Medium - high density
		009	-	009	Medium - linear
		010	-	010	Fast - low density
		011	-	011	Fast- medium density
		012	-	012	Fast - high density
		013	-	013	Fast - linear
					One Color Paparazzi-Fade
		014	-	014	Example Effect
		015	-	015	Slow- low density
		016	-	016	Slow - medium density
		017	-	017	Slow - high density
		018	-	018	Slow - linear
		019	-	019	Medium - low density
		020	-	020	Medium - medium density
		021	-	021	Medium - high density
		022	-	022	Medium - linear
		023	-	023	Fast - low density
		024	-	024	Fast- medium density
		025	-	025	Fast - high density
		026	-	026	Fast - linear
					Two Color Paparazzi-Snap
		027	-	027	Example Effect
		028	-	028	Slow- low density
		029	-	029	Slow - medium density
		030	-	030	Slow - high density
		031	-	031	Slow - linear
		032	-	032	Medium - low density
		033	-	033	Medium - medium density
		034	-	034	Medium - high density
		035	-	035	Medium - linear
036	-	036	Fast - low density		
037	-	037	Fast- medium density		
038	-	038	Fast - high density		
039	-	039	Fast - linear		
			Two Color Paparazzi-Fade		

MOVO BEAM 200

ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



26	Ring FX Select	040	-	040	Example Effect
		041	-	041	Slow- low density
		042	-	042	Slow - medium density
		043	-	043	Slow - high density
		044	-	044	Slow - linear
		045	-	045	Medium - low density
		046	-	046	Medium - medium density
		047	-	047	Medium - high density
		048	-	048	Medium - linear
		049	-	049	Fast - low density
		050	-	050	Fast- medium density
		051	-	051	Fast - high density
		052	-	052	Fast - linear
					Trace 1-Uniform Decay
		053	-	053	Example Effect
		054	-	054	Slow - short tail
		055	-	055	Slow - medium tail
		056	-	056	Slow- long tail
		057	-	057	Medium -short tail
		058	-	058	Medium - medium tail

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ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



		059	-	059	Medium - long tail
		060	-	060	Fast - short tail
		061	-	061	Fast - medium tail
		062	-	062	Fast - long tail
					Trace 2-Uniform Decay (Color mix)
		063	-	063	Example Effect
		064	-	064	Slow - short tail
		065	-	065	Slow - medium tail
		066	-	066	Slow- long tail
		067	-	067	Medium -short tail
		068	-	068	Medium - medium tail
		069	-	069	Medium - long tail
		070	-	070	Fast - short tail
		071	-	071	Fast - medium tail
		072	-	072	Fast - long tail
					Trace 3-Uniform Color
		073	-	073	Example Effect
		074	-	074	Slow - short tail
		075	-	075	Slow - medium tail
26	Ring FX Select	076	-	076	Slow- long tail
		077	-	077	Medium -short tail
		078	-	078	Medium - medium tail
		079	-	079	Medium - long tail
		080	-	080	Fast - short tail
		081	-	081	Fast - medium tail
		082	-	082	Fast - long tail
					Trace 4-Uniform Color (Color mix with base)
		083	-	083	Example Effect
		084	-	084	Slow - short tail
		085	-	085	Slow - medium tail
		086	-	086	Slow- long tail
		087	-	087	Medium -short tail
		088	-	088	Medium - medium tail
		089	-	089	Medium - long tail
		090	-	090	Fast - short tail
		091	-	091	Fast - medium tail
		092	-	092	Fast - long tail
					Jockey
		093	-	093	Example Effect

MOVO BEAM 200

ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



		094 - 094	Smallest
		095 - 095	..
		096 - 096	..
		097 - 097	..
		098 - 098	..
		099 - 099	..
		100 - 100	..
		101 - 101	..
		102 - 102	Biggest
			Checkers
		103 - 103	Exam pie effects
		104 - 104	1/2's
		105 - 105	1/4's
		106 - 106	1/8's
		107 - 107	1/16's
		108 - 108	1/32's
		109 - 109	1/64's
		110 - 110	Rotating 1/4's
		111 - 111	Rotating 1/16's
		112 - 112	Rotating 1/32's
			Color Merge
		113 - 113	Example Effect
		114 - 114	Full
		115 - 115	Three Quarter
		116 - 116	Half
		117 - 117	Quarter
			Color Wave
		118 - 118	Example Effect
		119 - 119	V. Small
		120 - 120	Small
		121 - 121	Medium
		122 - 122	Large
			Color Wave (Color Mix)
		123 - 123	Example Effect
		124 - 124	V. Small
		125 - 125	Small
		126 - 126	Medium
		127 - 127	Large
			Sweep

26 Ring FX Select

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ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



26	Ring FX Select	128	-	128	Example Effect
		129	-	129	V. Slow
		130	-	130	Slow
		131	-	131	Medium
		132	-	132	Fast
					Sweep Random
		133	-	133	V. Slow
		134	-	134	Slow
		135	-	135	Medium
		136	-	136	Fast
		137	-	240	Off
					Pixel Map
		241	-	245	Mix with other Layer
		246	-	250	Underneath other Layer
251	-	255	Above other Layer		
27	Ring Effect Rotate	000	-	127	Forward Rotation fast to slow
		128	-	128	Pause
		129	-	255	Backward Rotation slow to fast
28	Ring Effect Size	000	-	063	x2
		064	-	127	x4
		128	-	191	x8
		192	-	255	Full
29	Ring Effect Direction	000	-	063	Forward
		064	-	127	Reverse
		128	-	191	Mirror Out
		192	-	255	Mirror In
30	Ring Rotate Offset	000	-	255	Offset start point of rotating effects over each port
Layer 2					
31	Ring Dimmer	000	-	255	0% to 100%
32	Ring Effect Red	000	-	255	0% - 100%
33	Ring Effect Green	000	-	255	0% - 100%
34	Ring Effect Blue	000	-	255	0% - 100%
35	Ring Background Red	000	-	255	0% - 100%
36	Ring Background Green	000	-	255	0% - 100%
37	Ring Background Blue	000	-	255	0% - 100%

MOVO BEAM 200

ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



38	Ring FX Select	000	-	000	Off
					One Color Paparazzi-Snap
		001	-	001	Example Effect
		002	-	002	Slow- low density
		003	-	003	Slow - medium density
		004	-	004	Slow - high density
		005	-	005	Slow - linear
		006	-	006	Medium - low density
		007	-	007	Medium - medium density
		008	-	008	Medium - high density
		009	-	009	Medium - linear
		010	-	010	Fast - low density
		011	-	011	Fast- medium density
		012	-	012	Fast - high density
		013	-	013	Fast - linear
					One Color Paparazzi-Fade
		014	-	014	Example Effect
		015	-	015	Slow- low density
		016	-	016	Slow - medium density
		017	-	017	Slow - high density
		018	-	018	Slow - linear
		019	-	019	Medium - low density
		020	-	020	Medium - medium density
		021	-	021	Medium - high density
		022	-	022	Medium - linear
		023	-	023	Fast - low density
		024	-	024	Fast- medium density
		025	-	025	Fast - high density
		026	-	026	Fast - linear
					Two Color Paparazzi-Snap
		027	-	027	Example Effect
		028	-	028	Slow- low density
		029	-	029	Slow - medium density
		030	-	030	Slow - high density
		031	-	031	Slow - linear
		032	-	032	Medium - low density
		033	-	033	Medium - medium density
		034	-	034	Medium - high density
		035	-	035	Medium - linear
		036	-	036	Fast - low density
037	-	037	Fast- medium density		
038	-	038	Fast - high density		
039	-	039	Fast - linear		
			Two Color Paparazzi-Fade		

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ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



38	Ring FX Select	040	-	040	Example Effect
		041	-	041	Slow- low density
		042	-	042	Slow - medium density
		043	-	043	Slow - high density
		044	-	044	Slow - linear
		045	-	045	Medium - low density
		046	-	046	Medium - medium density
		047	-	047	Medium - high density
		048	-	048	Medium - linear
		049	-	049	Fast - low density
		050	-	050	Fast- medium density
		051	-	051	Fast - high density
		052	-	052	Fast - linear
					Trace 1-Uniform Decay
		053	-	053	Example Effect
		054	-	054	Slow - short tail
		055	-	055	Slow - medium tail
		056	-	056	Slow- long tail
		057	-	057	Medium -short tail
		058	-	058	Medium - medium tail

MOV0 BEAM 200

ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



		059	-	059	Medium - long tail
		060	-	060	Fast - short tail
		061	-	061	Fast - medium tail
		062	-	062	Fast - long tail
					Trace 2-Uniform Decay (Color mix)
		063	-	063	Example Effect
		064	-	064	Slow - short tail
		065	-	065	Slow - medium tail
		066	-	066	Slow- long tail
		067	-	067	Medium -short tail
		068	-	068	Medium - medium tail
		069	-	069	Medium - long tail
		070	-	070	Fast - short tail
		071	-	071	Fast - medium tail
		072	-	072	Fast - long tail
					Trace 3-Uniform Color
		073	-	073	Example Effect
		074	-	074	Slow - short tail
		075	-	075	Slow - medium tail
38	Ring FX Select	076	-	076	Slow- long tail
		077	-	077	Medium -short tail
		078	-	078	Medium - medium tail
		079	-	079	Medium - long tail
		080	-	080	Fast - short tail
		081	-	081	Fast - medium tail
		082	-	082	Fast - long tail
					Trace 4-Uniform Color (Color mix with base)
		083	-	083	Example Effect
		084	-	084	Slow - short tail
		085	-	085	Slow - medium tail
		086	-	086	Slow- long tail
		087	-	087	Medium -short tail
		088	-	088	Medium - medium tail
		089	-	089	Medium - long tail
		090	-	090	Fast - short tail
		091	-	091	Fast - medium tail
		092	-	092	Fast - long tail
					Jockey
		093	-	093	Example Effect

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ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



38	Ring FX Select	094	-	094	Smallest
		095	-	095	..
		096	-	096	..
		097	-	097	..
		098	-	098	..
		099	-	099	..
		100	-	100	..
		101	-	101	..
		102	-	102	Biggest
					Checkers
		103	-	103	Exam pie effects
		104	-	104	1/2's
		105	-	105	1/4's
		106	-	106	1/8's
		107	-	107	1/16's
		108	-	108	1/32's
		109	-	109	1/64's
		110	-	110	Rotating 1/4's
		111	-	111	Rotating 1/16's
		112	-	112	Rotating 1/32's
					Color Merge
		113	-	113	Example Effect
		114	-	114	Full
		115	-	115	Three Quarter
		116	-	116	Half
		117	-	117	Quarter
					Color Wave
		118	-	118	Example Effect
		119	-	119	V. Small
		120	-	120	Small
		121	-	121	Medium
		122	-	122	Large
			Color Wave (Color Mix)		
123	-	123	Example Effect		
124	-	124	V. Small		
125	-	125	Small		
126	-	126	Medium		
127	-	127	Large		
			Sweep		

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ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



38	Ring FX Select	128	-	128	Example Effect
		129	-	129	V. Slow
		130	-	130	Slow
		131	-	131	Medium
		132	-	132	Fast
					Sweep Random
		133	-	133	V. Slow
		134	-	134	Slow
		135	-	135	Medium
		136	-	136	Fast
		137	-	240	Off
					Pixel Map
		241	-	245	Mix with other Layer
		246	-	250	Underneath other Layer
251	-	255	Above other Layer		
39	Ring Effect Rotate	000	-	127	Forward Rotation fast to slow
		128	-	128	Pause
		129	-	255	Backward Rotation slow to fast
40	Ring Effect Size	000	-	063	x2
		064	-	127	x4
		128	-	191	x8
		192	-	255	Full
41	Ring Effect Direction	000	-	063	Forward
		064	-	127	Reverse
		128	-	191	Mirror Out
		192	-	255	Mirror In
42	Ring Rotate Offset	000	-	255	Offset start point of rotating effects over each port

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ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



89 Channel Mode				
Ch.	Function	Values		
1	Pan	000	-	255 0% - 100%
2	Pan fine	000	-	255 0% - 100%
3	Endless Pan	000	-	005 No function
		006	-	126 Forward Rotation fast -> slow
		127	-	128 Stop
		129	-	255 Backward Rotation slow -> fast
4	Tilt	000	-	255 0% - 100%
5	Tilt fine	000	-	255 0% - 100%
6	Endless Tilt	000	-	005 No function
		006	-	126 Forward Rotation fast -> slow
		127	-	128 Stop
		129	-	255 Backward Rotation slow -> fast
7	Dimmer	000	-	255 0% - 100%
8	Dimmer fine	000	-	255 0% - 100%
9	Strobe	000	-	005 Strobe open
		006	-	010 Strobe closed
		011	-	022 Ramp up/down, slow -> fast
		023	-	033 Ramp up/down random, slow->fast
		034	-	045 Ramp up, slow -> fast
		046	-	056 Ramp up random, slow -> fast
		057	-	068 Ramp down, slow -> fast
		069	-	079 Ramp down random, slow -> fast
		080	-	102 Random Strobe effect, slow -> fast
		103	-	127 Strobe Break effect, 5s.....1s (short burst with break)
		128	-	250 Strobe slow -> fast <1Hz - 20Hz
		251	-	255 Strobe open
10	Beam Red	000	-	255 0% - 100%
11	Beam Green	000	-	255 0% - 100%
12	Beam Blue	000	-	255 0% - 100%
13	Beam White	000	-	255 0% - 100%

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ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



14	Color Macro (Override RGBW)	000	-	005	Color 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
		070	-	077	Lavender
		078	-	085	Mauve
		086	-	093	Magenta
		094	-	101	Pink
		102	-	109	Warm White
		110	-	117	White
		118	-	125	Cold White
		15	Pan/Tilt Speed	126	-
128	-			191	Color Jumping Speed slow -> fast / Color 1 -> 12
192	-			255	Color Fading Speed slow -> fast / Color 1 -> 12
		000	-	255	Fast -> slow

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ENDLESS ROTATION BEAM MOVING HEAD
WITH LED RING - DMX CONTROL TABLE



16	Control (please read remark 1*)	000	-	005	No function
		006	-	007	Blackout while moving on (hold 3s)
		008	-	009	Blackout while moving off (hold 3s)
		010	-	041	No function
		042	-	043	Invert Pan on (hold 3s)
		044	-	045	Invert Pan off (hold 3s)
		046	-	047	Invert Tilt on (hold 3s)
		048	-	049	Invert Tilt off (hold 3s)
		050	-	097	No function
		098	-	099	Normal Fan (hold 3s)
		100	-	101	Silent Fan (hold 3s)
		102	-	139	No function
		140	-	141	Display on (hold 3s)
		142	-	143	Display off (hold 3s)
		144	-	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	-	221	No function
		222	-	223	Reset Pan / Tilt (hold 3s)
		224	-	235	No function
		236	-	237	Reset All Functions (hold 3s)
		238	-	239	No function
240	-	245	No function		
246	-	255	No function		
17	Dimmer Ring	000	-	255	0% - 100%
18	Red 1	000	-	255	0% - 100%
19	Green 1	000	-	255	0% - 100%
20	Blue 1	000	-	255	0% - 100%
21	Red 2	000	-	255	0% - 100%
22	Green 2	000	-	255	0% - 100%
23	Blue 2	000	-	255	0% - 100%
24	Red 3	000	-	255	0% - 100%
25	Green 3	000	-	255	0% - 100%
26	Blue 3	000	-	255	0% - 100%
27	Red 4	000	-	255	0% - 100%
28	Green 4	000	-	255	0% - 100%

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WITH LED RING - DMX CONTROL TABLE



29	Blue 4	000	-	255	0% - 100%
30	Red 5	000	-	255	0% - 100%
31	Green 5	000	-	255	0% - 100%
32	Blue 5	000	-	255	0% - 100%
33	Red 6	000	-	255	0% - 100%
34	Green 6	000	-	255	0% - 100%
35	Blue 6	000	-	255	0% - 100%
36	Red 7	000	-	255	0% - 100%
37	Green 7	000	-	255	0% - 100%
38	Blue 7	000	-	255	0% - 100%
39	Red 8	000	-	255	0% - 100%
40	Green 8	000	-	255	0% - 100%
41	Blue 8	000	-	255	0% - 100%
42	Red 9	000	-	255	0% - 100%
43	Green 9	000	-	255	0% - 100%
44	Blue 9	000	-	255	0% - 100%
45	Red 10	000	-	255	0% - 100%
46	Green 10	000	-	255	0% - 100%
47	Blue 10	000	-	255	0% - 100%
48	Red 11	000	-	255	0% - 100%
49	Green 11	000	-	255	0% - 100%
50	Blue 11	000	-	255	0% - 100%
51	Red 12	000	-	255	0% - 100%
52	Green 12	000	-	255	0% - 100%
53	Blue 12	000	-	255	0% - 100%
54	Red 13	000	-	255	0% - 100%
55	Green 13	000	-	255	0% - 100%
56	Blue 13	000	-	255	0% - 100%
57	Red 14	000	-	255	0% - 100%
58	Green 14	000	-	255	0% - 100%
59	Blue 14	000	-	255	0% - 100%
60	Red 15	000	-	255	0% - 100%
61	Green 15	000	-	255	0% - 100%
62	Blue 15	000	-	255	0% - 100%
63	Red 16	000	-	255	0% - 100%
64	Green 16	000	-	255	0% - 100%
65	Blue 16	000	-	255	0% - 100%
66	Red 17	000	-	255	0% - 100%

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67	Green 17	000	-	255	0% - 100%
68	Blue 17	000	-	255	0% - 100%
69	Red 18	000	-	255	0% - 100%
70	Green 18	000	-	255	0% - 100%
71	Blue 18	000	-	255	0% - 100%
72	Red 19	000	-	255	0% - 100%
73	Green 19	000	-	255	0% - 100%
74	Blue 19	000	-	255	0% - 100%
75	Red 20	000	-	255	0% - 100%
76	Green 20	000	-	255	0% - 100%
77	Blue 20	000	-	255	0% - 100%
78	Red 21	000	-	255	0% - 100%
79	Green 21	000	-	255	0% - 100%
80	Blue 21	000	-	255	0% - 100%
81	Red 22	000	-	255	0% - 100%
82	Green 22	000	-	255	0% - 100%
83	Blue 22	000	-	255	0% - 100%
84	Red 23	000	-	255	0% - 100%
85	Green 23	000	-	255	0% - 100%
86	Blue 23	000	-	255	0% - 100%
87	Red 24	000	-	255	0% - 100%
88	Green 24	000	-	255	0% - 100%
89	Blue 24	000	-	255	0% - 100%

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.