

# MOVO BEAM Z100

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



5 CH Mode			
Ch.	Function	Values	Sub-Group
1	Dimmer	000 - 255 0% to 100%	Dimmer
2	Strobe	000 - 005 Strobe open	Strobe
		006 - 255 Strobe slow -> fast <1Hz - 20Hz	
3	Zoom	000 - 255 0% to 100%	Zoom
4	Auto Program	000 - 005 off	Auto Program
		006 - 036 Auto Program 1	
		037 - 067 Auto Program 2	
		068 - 098 Auto Program 3	
		099 - 129 Auto Program 4	
		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%	
3	Endless Pan rotation	000 - 005 no function	Endless Pan
		006 - 126 clockwise pan rotation (fast to slow)	
		127 - 128 no movement	
		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%	
6	Endless Tilt rotation	000 - 005 no function	Endless Tilt
		006 - 126 clockwise tilt rotation (fast to slow)	
		127 - 128 no movement	
		129 - 255 counter clockwise tilt rotation (slow to fast)	
7	Dimmer	000 - 255 0% to 100%	Dimmer
8	Strobe functions	000 - 005 Strobe open	multifunctional strobe
		006 - 010 Strobe closed	
		011 - 033 Puls 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 Effekt, 5s. ....1s (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

# MOVO BEAM Z100

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
14	Device settings	000 - 005 no function	Device settings
		006 - 032 Blackout while Moving on (Hold 3s)	
		033 - 059 Blackout while Moving off (Hold 5s)	
		060 - 086 Invert Pan on (Hold 3s)	
		087 - 113 Invert Pan off (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)			
15	Colour Ring Macro	000 - 005 Colour off	Colour Ring Macro
		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)	
		062 - 069 Colour Macro 8 (2step Magenta Yellow)	
		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%	Pan
2	Pan fine	000	-	255	0% to 100%	
3	Endless Pan rotation	000	-	005	no function	Endless Pan
		006	-	126	clockwise pan rotation (fast to slow)	
		127	-	128	no movement	
		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%	

# MOVO BEAM Z100

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



6	Endless Tilt rotation	000	-	005	no function	Endless Tilt
		006	-	126	clockwise tilt rotation (fast to slow)	
		127	-	128	no movement	
		129	-	255	counter clockwise tilt rotation (slow to fast)	
7	Dimmer	000	-	255	0% to 100%	Dimmer
8	Strobe Functions	000	-	005	Strobe open	Multifunctional Strobe
		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, 5s.....1s (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
11	Blue	000	-	255	0% to 100%	Blue
12	White	000	-	255	0% to 100%	White
13	Zoom	000	-	255	0% to 100%	Zoom
14	Device settings	000	-	005	no function	Device settings
		006	-	032	Blackout while Moving on (Hold 3s)	
		033	-	059	Blackout while Moving off (Hold 5s)	
		060	-	086	Invert Pan on (Hold 3s)	
		087	-	113	Invert Pan off (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)			
15	Dimmer Colour Ring	000	-	255	0% to 100%	Dimmer
16	Strobe Colour Ring	000	-	005	Strobe open	Strobe
		006	-	255	Strobe slow -> fast <1Hz - 20Hz	
17	Colour Red	000	-	255	0% to 100%	Colour Ring
18	Colour Green	000	-	255	0% to 100%	
19	Colour Blue	000	-	255	0% to 100%	

# MOVO BEAM Z100

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



20	Colour Ring Macro	000	-	005	Colour off	Colour Ring Macro
		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)	
		062	-	069	Colour Macro 8 (2step Magenta Yellow)	
		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)	
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%				
3	Endless Pan rotation	000 - 005 no function			Endless Pan	
		006 - 126 clockwise pan rotation (fast to slow)				
		127 - 128 no movement				
		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%				
6	Endless Tilt rotation	000 - 005 no function			Endless Tilt	
		006 - 126 clockwise tilt rotation (fast to slow)				
		127 - 128 no movement				
		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%				
9	Strobe functions	000 - 005 Strobe open			multifunctional strobe	
		006 - 010 Strobe closed				
		011 - 033 Puls 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 Effekt, 5s.....1s (Short burst with break)				
		128 - 250 Strobe slow -> fast <1Hz - 20Hz				
251 - 255 Strobe open						

# MOVO BEAM Z100

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



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
14	Colour Macro (override RGBW)	000 - 005 Colour off	Colour Macro
		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 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
16	Auto Program	000 - 005 off	Auto Program
		006 - 036 Auto Program 1	
		037 - 067 Auto Program 2	
		068 - 098 Auto Program 3	
		099 - 129 Auto Program 4	
		130 - 160 Auto Program 5	
		161 - 191 Auto Program 6	
		192 - 222 Auto Program 7	
		223 - 255 Auto Program 8	
17	Pan/Tilt Macro	000 - 005 off	Auto Movement
		006 - 040 PAN „small > big“	
		041 - 075 TILT „small > big“	
		076 - 110 PAN / TILT „small > big“	
		111 - 145 PAN / TILT (invers) „small > big“	
		146 - 180 Circle „small > big“	
		181 - 215 Circle (invers) „small > big“	
216 - 255 Random „small > big“			

# MOVO BEAM Z100

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



18	Set dimmer curve	000 - 005 no function	Set dimmer curve
		006 - 063 Linear Dimmer Curve	
		064 - 127 Exponential Dimmer Curve	
		128 - 191 Logarithmic Dimmer Curve	
		192 - 255 S-Curve Dimmer Curve	
19	Pan/Tilt Speed (Set Speed of Pan&Tilt / Auto Programms / Pan&Tilt Macros)	000 - 255 Pan/Tilt Fast -> Slow	Pan/Tilt speed
20	Device settings	000 - 005 no function	Device settings
		006 - 032 Blackout while Moving on (Hold 3s)	
		033 - 059 Blackout while Moving off (Hold 5s)	
		060 - 086 Invert Pan on (Hold 3s)	
		087 - 113 Invert Pan off (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)			
21	Dimmer Colour Ring	000 - 255 0% to 100%	Dimmer
22	Strobe Colour Ring	000 - 005 Strobe open	Strobe
		006 - 255 Strobe slow -> fast <1Hz - 20Hz	
23	Red1	000 - 255 0% to 100%	Colour Ring
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%	
34	Blue4	000 - 255 0% to 100%	

# MOVO BEAM Z100

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



35	Colour Ring Macro (override RGB)	000 - 005 Colour off	Colour Ring Macro
		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)	
		062 - 069 Colour Macro 8 (2step Magenta Yellow)	
		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)			
36	Colour Ring Macro Speed	000 - 255 slow > fast	Colour Ring Macro Speed