MSZOOM 250 XT- DMX PROTOCOL

Mode 1 channel	Mode 2 channel	8 bit channel	Value	Function	Type of control
1	**1**	**1**		**Pan**	
			0-255	Pan movement by 530°	proportional
2	**3**	**2**		**Tilt**	
			0-255	Tilt movement by 280°	proportional
3	**2**			**Pan fine**	
			0-255	Fine control of pan movement	proportional
4	**4**			**Tilt fine**	
			0-255	Fine control of tilt movement	proportional
5	**5**	**3**		**Speed of PAN/TILT movement**	
			0	Max. speed (tracking mode)	step
			1-249	From max. to min.speed (vector mode)	proportional
			250-252	Max. speed,(track.mode),black-out while color or rot./stat. gobo changes	step
			253-255	Max.speed (vector mode) ,black out while pan/tilt moving or color or gobo changes	step
6	**6**	**4**		**Lamp on/off,reset,fans speed control**	
			0-127	From max.speed of fan to min. speed of fan	proportional
			128-139	Lamp on,reset,	step
			140-229	No function	step
			230-239	Lamp off after 3 sec	step
			240-255	No function	step
7	**7**	**5**		**Colours 1**	
			0	Open/white	proportional
			16	Blue	proportional
			32	Red	proportional
			48	Green	proportional
			64	Yellow	proportional
			80	Magenta	proportional
			96	Cyan	proportional
			112	Light green	proportional
			128-189	Forwards rainbow effect from fast to slow	proportional
			190-193	No rotation	step
			194-255	Backwards rainbow effect from slow to fast	proportional
			0-255	*Colour macro function (channel 8 set from 128-191)-32 different colours in following order:white,pink,magenta,red,orange,yellow, green,cyan,blue,UV*	*proportional*
8	**8**	**6**		**Colours 2/static gobos**	
			0-15	White	step
			16-35	Light blue	step
			36-51	Pink	step
			52-71	Umber	step
			72-87	Gobo 1(dichroic)	step
			88-107	Gobo 2(dichroic)	step
			108-127	Gobo 3(dichroic)	step
			128-191	Enable macro colour on channel 7	step
			192-193	No rotation	step
			194-255	Rainbow effect from slow to fast	step

Mode 1 channel	Mode 2 channel	8bit channel	Value	Function	Type of control
9	**9**	**7**		**3-facet prism rotatin control,Prism macros**	
			0-95	Open position (no prism)	step
			96- 159	3-facet rotating prism	proportional
			160-255	***Prism/rot.gobo macros***	
			160-167	Macro 1	step
			168-175	Macro 2	step
			176-183	Macro 3	step
			184-191	Macro 4	step
			192-199	Macro 5	step
			200-207	Macro 6	step
			208-215	Macro 7	step
			216-223	Macro 8	step
			224-231	Macro 9	step
			232-239	Macro 10	step
			240-247	Macro 11	step
			248-255	Macro 12	step
10	**10**	**8**		**3-facet prism rotation control**	
			0	No rotation	step
			1-126	Forwards rotation from fast to slow	proportional
			127-128	No rotation	step
			129-255	Backwards rotation from slow to fast	proportional
11	**11**	**9**		**Rotating gobos**	
			0-31	Open/hole	step
			32-63	Rot.gobo 1 (glass)	step
			64-95	Rot.gobo 2 (metal)	step
			96-127	Rot.gobo 3 (metal)	step
			128-159	Rot.gobo 4 (metal)	step
			160-223	Rot.gobo 5 (metal)	step
			224-255	Rot.gobo wheel cont.rotation from slow to fast	proportional
12	**12**	**10**		**Rotating gobo index,rotating gobo rotation**	
			0-127	Gobo indexing	proportional
			128-190	Forwards gobo rotation from fast to slow	proportional
			191-192	No rotation	step
			193-255	Backwards gobo rotation from slow to fast	proportional
13	**13**	**11**		**Zoom,frost,UV filter**	
				Zoom without focus corection	
			0-31	Zoom 15°	step
			32-47	Zoom 18°	step
			48-63	Zoom 21°	step
			64-79	Zoom 24°	step
			80-95	Zoom 26°	step
			96-111	Frost	step
			112-127	UV-filter	step
				Zoom with focus corection	
			128-159	Zoom 15°	step
			160-175	Zoom 18°	step
			176-191	Zoom 21°	step
			192-207	Zoom 24°	step
			208-223	Zoom 26°	step
			224-239	Frost	step
			240-255	UV-filter	step

Mode 1 channel	Mode 2 channel	8bit channel	Value	Function	Type of control
14	**14**	**12**		**Focus**	
			0-255	Continuous adjustment from far to near	proportional
15	**15**	**13**		**Shutter,strobe**	
			0-31	Shutter closed	step
			32-63	No function (Shutter open)	step
			64-95	Strobe-effect from slow to fast (max.10 flashes/s)	proportional
			96-127	No function (Shutter open)	step
			128-159	Pulse-effect in sequences from slow to fast	proportional
			160-191	No function (Shutter open)	step
			192-223	Random strobe-effect from slow to fast	proportional
			224-255	No function (Shutter open)	step
16	**16**	**14**		**Dimmer intensity**	
			0-255	Gradual adjustment of the dimmer intensity from 0 to 100%	proportional