

# Mania EFX700 DMX protocol

Channel	Value	Percent	Function
1			<b>Intensity, strobe effect, auto trig, reset, lamp off</b>
	0 - 4	0 - 1	Blackout (shutter closed)
	5 - 122	2 - 47	Intensity 0-100%, lamp on
	123 - 129	48 - 50	Shutter open
	130 - 189	51 - 74	Strobe (fast to slow)
	190 - 199	75 - 78	Shutter closed
	200 - 209	79 - 82	Random strobe
	210 - 219	83 - 86	Remote stand-alone, auto trig
	220 - 239	87 - 94	Blackout (shutter closed)
	240 - 249	95 - 98	Reset fixture (value must be held for 5 seconds)
	250 - 255	99 - 100	Lamp off (value must be held for 5 seconds and channels 2 & 3 must be set to more than 252 / 99%). Note that there is an 8-minute delay before lamp can be restruck.
2			<b>Colored gobo wheel position, rotation and music trig</b>
			Full gobo positions
	0 - 9	0 - 3	Gobo 1
	10 - 19	4 - 7	Gobo 2
	20 - 29	8 - 11	Gobo 3
	30 - 39	12 - 15	Gobo 4
	40 - 49	16 - 19	Gobo 5
	50 - 59	20 - 23	Gobo 6
	60 - 69	24 - 26	Gobo 7
	70 - 79	27 - 30	Gobo 8
	80 - 89	31 - 35	Gobo 9
	90 - 99	36 - 38	Gobo 10
	100 - 109	39 - 42	Gobo 11
	110 - 119	43 - 46	Gobo 12
	120 - 175	47 - 68	Reserved (gobo 12)
			<b>Continuous Rotation</b>
	176 - 207	69 - 81	Clockwise (fast → slow)
	208 - 239	82 - 93	Counterclockwise (slow → fast)
			<b>Music function</b>
	240 - 244	94 - 95	Gobo wheel music trig fast
245 - 249	96 - 97	Gobo wheel music trig slow	
250 - 255	98 - 100	Gobo wheel music trig dynamic	

Channel	Value	Percent	Function
<b>3</b>	0 - 1	0	<b>Colored gobo wheel shake</b> No function
	2 - 128	1 - 50	Narrow shake (slow → fast)
	129 - 255	51 - 100	Wide shake (slow → fast)
	<b>Mirror dish rotation, shake and music trig</b>		
<b>4</b>	0 - 1	0	Stop
	2 - 65	1 - 25	Counterclockwise rotation (fast → slow)
	66 - 129	26 - 50	Clockwise rotation (slow → fast)
	130 - 192	51 - 75	Shake (various shakes)
	193 - 208	76 - 81	Random shake
	209 - 239	82 - 93	Reserved, stop
	240 - 244	94 - 95	Mirror dish music trig, fast
	245 - 249	96 - 97	Mirror dish music trig, slow
	250 - 255	98 - 100	Mirror dish music trig, dynamic
	<b>5*</b>	<b>Macros (DMX mode 2 only)</b>	
0 - 15		0 - 5	No Macro
16 - 31		6 - 11	Macro 1
32 - 47		12 - 18	Macro 2
48 - 63		19 - 24	Macro 3
64 - 79		25 - 30	Macro 4
80 - 95		31 - 37	Macro 5
96 - 111		38 - 43	Macro 6
112 - 127		44 - 49	Macro 7
128 - 143		50 - 55	Macro 8
144 - 159		56 - 62	Macro 9
160 - 175		63 - 68	Macro 10
176 - 191		69 - 74	Macro 11
192 - 207		75 - 81	Macro 12
208 - 255		82 - 100	Reserved. No function
<b>6*</b>	<b>Effects speed (DMX mode 2 only)</b>		
	0 - 1	0	Tracking (default)
	2 - 255	1 - 100	Fast → slow

\* Channels 5 and 6 are available in DMX mode 2 only. In DMX mode 1, effects speed is set to 'tracking'.