

Mania EFX500 DMX protocol

Channel	Value	Percent	Function
1	0 - 4	0 - 1	Strobe effect, auto trig, music trig, reset No function
	5 - 68	2 - 26	Strobe (fast to slow)
	69 - 100	27 - 39	Remote stand-alone, auto trig
	101 - 132	40 - 51	Remote stand-alone, music trig
	133 - 249	52 - 97	Reserved, no function
	250 - 255	98 - 100	Reset fixture (value must be held for 5 seconds)
	2	0 - 255	0 - 100
			Colored gobo wheel positions, gobo wheel rotation, gobo wheel music trig Full gobo positions
3	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 (Blackout)
	120 - 175	47 - 68	Reserved (Blackout, gobo 12)
			Continuous Rotation
	176 - 207	69 - 81	Clockwise (fast → slow)
	208 - 239	82 - 93	Counterclockwise (slow → fast)
			Music function
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
4	0 - 1	0	Colored gobo wheel shake No function
	2 - 128	1 - 50	Narrow shake (slow → fast)
	129 - 255	51 - 100	Wide shake (slow → fast)
	Mirror dish rotation, shake and music trig		
5	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 (slow → fast)
	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
	6	Pan (mirror drum swivel) position, shake and music trig	
0		0	Maximum left pan
63		24	Neutral
127		50	Maximum right pan
128 - 182		51 - 71	Narrow shake (slow → fast)
183 - 239		72 - 93	Wide shake (slow → fast)
240 - 244		94 - 95	Music trig pan, fast
245 - 249		96 - 97	Music trig pan, slow
250 - 255		98 - 100	Music trig pan, dynamic
7		Tilt (mirror drum rotation) rotation, shake and music trig	
	0 - 1	0	No rotation
	2 - 63	1 - 24	Clockwise rotation (slow → fast)
	64 - 65	25	No rotation
	66 - 127	26 - 49	Counterclockwise rotation (fast → slow)
	128 - 129	50	No rotation
	130 - 184	51 - 72	Narrow shake (slow → fast)
	185 - 239	73 - 93	Wide shake (slow → fast)
	240 - 244	94 - 95	Mirror drum rotation music trig, fast
	245 - 249	96 - 97	Mirror drum rotation music trig, slow
	250 - 255	98 - 100	Mirror drum rotation music trig, dynamic

Channel	Value	Percent	Function
			Macros (DMX mode 2 only)
8*	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	
			Effects speed (DMX mode 2 only)
9*	0 - 1	0	Tracking (default)
	2 - 255	1 - 100	Fast → slow

* Channels 8 and 9 are available in DMX mode 2 only. In DMX mode 1, effects speed is set to 'tracking'.