

Mania EFX800 DMX protocol

Channel	Value	Percent	Function
1			Intensity, strobe effect, auto trig, reset, lamp off
	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			Gobo wheel position, rotation and music trig
			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)
			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
3	0 - 1	0	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		
4	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
	Color paddlewheel position, rotation, shake and music trig		
	5	0 - 3	0-1
4 - 103		2 - 40	Fixed positions 0-360°
104 - 105		40-41	No rotation
106 - 155		42 - 59	Clockwise rotation (slow → fast)
156 - 157		60-61	No rotation
158 - 207		62 - 80	Counterclockwise rotation (fast → slow)
208 - 209		81 - 82	No rotation
210 - 224		83 - 87	Narrow shake (slow → fast)
225 - 239		88 - 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

Channel	Value	Percent	Function
			Macros (DMX mode 2 only)
6*	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)
7*	0 - 1	0	Tracking (default)
	2 - 255	1 - 100	Fast → slow

* Channels 6 and 7 are available in DMX mode 2 only. In DMX mode 1, effects speed is set to 'tracking'.