

MAC 101 CT DMX protocol

DMX Channel	DMX Value	Percent	Function
1	0 - 19	0 - 7	Electronic shutter effect Shutter closed
	20 - 49	8 - 19	Shutter open
	50 - 64	20 - 25	Strobe 1 (fast → slow)
	65 - 69	26 - 27	Shutter open
	70 - 84	28 - 33	Strobe 2: opening pulse (fast → slow)
	85 - 89	34 - 35	Shutter open
	90 - 104	36 - 41	Strobe 3: closing pulse (fast → slow)
	105 - 109	42 - 43	Shutter open
	110 - 124	44 - 49	Strobe 4: random strobe (fast → slow)
	125 - 129	50 - 51	Shutter open
	130 - 144	52 - 57	Strobe 5: random opening pulse (fast → slow)
	145 - 149	58 - 59	Shutter open
	150 - 164	60 - 65	Strobe 6: random closing pulse (fast → slow)
	165 - 169	66 - 67	Shutter open
	170 - 184	68 - 73	Strobe 7: burst pulse (fast → slow)
	185 - 189	74 - 75	Shutter open
	190 - 204	76 - 81	Strobe 8: random burst pulse (fast → slow)
	205 - 209	82 - 83	Shutter open
	210 - 224	84 - 89	Strobe 9: sine wave (fast → slow)
	225 - 229	90 - 91	Shutter open
230 - 244	92 - 97	Strobe 10: burst (fast → slow)	
245 - 255	98 - 100	Shutter open	
2	0 - 255	0 - 100	Dimmer 0 → 100% intensity
3	0 - 255	0 - 100	Pan Pan 0 - 430°
4	0 - 255	0 - 100	Pan fine Pan fine (Least Significant Byte)
5	0 - 255	0 - 100	Tilt Tilt 0 - 300°
6	0 - 255	0 - 100	Tilt fine Tilt fine (Least Significant Byte)
7	0 - 9	0 - 1	Fixture control settings <i>No function</i>
	10 - 14	2 - 3	Reset entire fixture ¹
	15 - 39	4 - 13	<i>No function</i>
	40 - 44	14 - 15	PTSP = NORM ²
	45 - 49	16 - 17	PTSP = FAST ²
	50 - 54	18 - 19	PTSP = SLOW ²
	55 - 59	20 - 21	<i>No function</i>
	60 - 64	22 - 23	Fan mode FULL ²
	65 - 69	24 - 25	<i>No function</i>
	70 - 74	26 - 27	Fan mode REGULATED ²
	75 - 109	28 - 42	<i>No function</i>
	110 - 114	43 - 44	Fast dimming, speed of changes unrestricted ²
	115 - 119	45 - 46	<i>No function</i>
	120 - 124	47 - 48	Smooth dimming, speed of changes restricted slightly ²
	125 - 249	49 - 97	<i>No function</i>
250 - 255	98 - 100	Illuminate display	
			¹ If DMX Reset is disabled in the menu, a reset command can only be executed if channel 2 is set to 232 and channel 1 is set to zero. These values need to be held for 5 seconds before feature is activated. Values must be "snapped to" to function.
			² Menu override: setting unaffected by power off/on.
8	0 - 255	0 - 100	Warm LEDs 0 → 100% intensity
9	0 - 255	0 - 100	Cold LEDs 0 → 100% intensity
10	0 - 19	0 - 7	Color Temperature Control No Function
	20 - 255	8 - 100	Color temperature, calibrated, 6200 → 2800 K

Table 3: MAC 101 CT DMX Protocol