

LMZ1537 - DMX Protocol

Revision: A

Valid from firmware version: 1.0

DMX mode			Name	DMX value		DMX percentage		Function	Default DMX Value			
Standard (25ch)	Simplified (21ch)	Extended (45ch)										
1	1	1	Strobe/Shutter	0	31	0.0%	12.2%	Closed	0(0%)			
				32	63	12.5%	24.7%	Open				
				64	127	25.1%	49.8%	Synchronous strobe from slow to fast				
				128	159	50.2%	62.4%	Open				
				160	223	62.7%	87.5%	Random strobe from slow to fast				
				224	255	87.8%	100.0%	Open				
2	2 3	2 3	Intensity	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
3	4 5 6 7 8 9 10 11	4 5 6 7 8 9 10 11	Total Red	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	0(0%)			
			Total Green	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	0(0%)			
			Total Blue	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	0(0%)			
			Total Whit	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	0(0%)			
			3	4 5	4 5	Red 1	0	255	0.0%	100.0%	No light → Full light	0(0%)
							0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	
			4	6 7	6 7	Green 1	0	255	0.0%	100.0%	No light → Full light	0(0%)
							0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	
5	8 9	8 9	Blue 1	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
6	10 11	10 11	Whit 1	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
7	12 13	12 13	Red 2	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
8	14 15	14 15	Green 2	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
9	16 17	16 17	Blue 2	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
10	18 19	18 19	Whit 2	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
11	20 21	20 21	Red 3	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
12	22 23	22 23	Green 3	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
13	24 25	24 25	Blue 3	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
14	26 27	26 27	Whit 3	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
15	28 29	28 29	Red 4	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
16	30 31	30 31	Green 4	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
17	32 33	32 33	Blue 4	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
18	34 35	34 35	Whit 4	0	255	0.0%	100.0%	No light → Full light	0(0%)			
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)				
19	12	36	Rainbow Function	0	9	0.0%	3.5%	No function	0(0%)			
				10	39	3.9%	15.3%	Rainbow scene 1				
				40	71	15.7%	27.8%	Rainbow scene 2				
				72	103	28.2%	40.4%	Rainbow scene 3				
				104	135	40.8%	52.9%	Rainbow scene 4				
				136	167	53.3%	65.5%	Rainbow scene 5				
				168	199	65.9%	78.0%	Rainbow scene 6				
				200	231	78.4%	90.6%	Rainbow scene 7				
232	255	91.0%	100.0%	Rainbow flow from slow to fast								
20	13	37	Color temperature	0	24	0.0%	9.4%	No function	0(0%)			
				25	35	9.8%	13.7%	3200K				
				36	46	14.1%	18.0%	3400K				
				47	57	18.4%	22.4%	3600K				
				58	68	22.7%	26.7%	3800K				
				69	79	27.1%	31.0%	4000K				
				80	90	31.4%	35.3%	4200K				
				91	101	35.7%	39.6%	4400K				
				102	112	40.0%	43.9%	4600K				
				113	123	44.3%	48.2%	4800K				
				124	134	48.6%	52.5%	5000K				
				135	145	52.9%	56.9%	5200K				
				146	156	57.3%	61.2%	5400K				
				157	167	61.6%	65.5%	5600K				
				168	178	65.9%	69.8%	5800K				
				179	189	70.2%	74.1%	6000K				
190	200	74.5%	78.4%	6200K								
201	211	78.8%	82.7%	6400K								
212	222	83.1%	87.1%	6600K								

				223	233	87.5%	91.4%	6800K	
				234	244	91.8%	95.7%	7000K	
				245	255	96.1%	100.0%	7200K	
21	14	38	Zoom	0	255	0.0%	100.0%	Near → Far	0(0%)
	15	39		0	65535	0.0%	100.0%	Zoom, fine (LSB)	
22	16	40	Pan	0	255	0.0%	100.0%	Pan	0(0%)
	17	41		0	65535	0.0%	100.0%	Pan, fine (LSB)	
23	18	42	Tilt	0	255	0.0%	100.0%	Tilt	46(18.0%)
	19	43		0	65535	0.0%	100.0%	Tilt, fine (LSB)	
24	20	44	Scan speed	0	255	0.0%	100.0%	Scan speed from slow to fast	0(0%)
25	21	45	Special controls	0	9	0.0%	3.5%	No function	0(0%)
				10	19	3.9%	7.5%	No function	
				20	29	7.8%	11.4%	No function	
				30	39	11.8%	15.3%	No function	
				40	49	15.7%	19.2%	No function	
				50	59	19.6%	23.1%	No function	
				60	69	23.5%	27.1%	Reset all motor after 5 seconds	
				70	79	27.5%	31.0%	Scan motor reset after 5 seconds	
				80	89	31.4%	34.9%	No function	
				90	99	35.3%	38.8%	No function	
				100	109	39.2%	42.7%	No function	
				110	119	43.1%	46.7%	Enlargement motor reset after 5 seconds	
				120	129	47.1%	50.6%	Built-in program 1	
				130	139	51.0%	54.5%	Built-in program 2	
				140	149	54.9%	58.4%	Built-in program 3	
				150	159	58.8%	62.4%	Built-in program 4	
				160	169	62.7%	66.3%	Built-in program 5	
				170	179	66.7%	70.2%	Built-in program 6	
				180	189	70.6%	74.1%	Built-in program 7	
				190	199	74.5%	78.0%	Built-in program 8	
200	209	78.4%	82.0%	Built-in program 9					
210	219	82.4%	85.9%	Built-in program 10					
220	255	86.3%	100.0%	Voice control					