

# DMX protocol

Channel	Value	Function	Fade type	Default value
1	0-7	<b>Shutter</b> Shutter closed	Snap	10
	8-15	Shutter open		
	16-131	Strobe effect slow to fast		
	132-139	On		
	140-181	Fast close & slow open		
	182-189	On		
	190-231	Fast open & slow close		
	232-239	On		
	240-247	Random strobe effect slow →fast		
	248-255	Shutter open		
2	0-255	<b>Dimmer, coarse</b> Intensity 0 to 100%	Fade	0
3	0-255	<b>Dimmer, fine</b> Dimmer intensity fine	Fade	0
4	0-255	<b>Red</b> Intensity 0 to 100%	Fade	255
5	0-255	<b>Green</b> Intensity 0 to 100%	Fade	255
6	0-255	<b>Blue</b> Intensity 0 to 100%	Fade	255
7	0-255	<b>CTC</b> Open → Warm	Fade	0
8	0-10	<b>Color wheel effect (color presets)</b> Open (white)	Snap	0
	11-15	Color 1 – LEE26 Bright Red		
	16-20	Color 2 – LEE158 Deep Orange		
	21-25	Color 3 – LEE105 Orange		
	26-30	Color 4 – LEE179 Chrome Orange		
	31-35	Color 5 – LEE015 Deep Straw		
	36-40	Color 6 – LEE010 Medium Yellow		
	41-45	Color 7 – LEE101 Yellow		
	46-50	Color 8 – LEE100 Spring Yellow		
	51-55	Color 9 – LEE088 Lime Green		
	56-60	Color 10 – LEE121 Lee Green		
	61-65	Color 11 – LEE738 JAS Green		
	66-70	Color 12 – LEE139 Primary Green		
	71-75	Color 13 – LEE124 Dark Green		

Channel	Value	Function	Fade type	Default value
	76-80	Color 14 – LEE323 Jade		
	81-85	Color 15 – LEE115 Peacock Blue		
	86-90	Color 16 – LEE140 Summer Blue		
	91-95	Color 17 – LEE144 No colour Blue		
	96-100	Color 18 – LEE172 Lagoon Blue		
	101-105	Color 19 – LEE183 Moonlight Blue		
	106-110	Color 20 – LEE161 Slate Blue		
	111-115	Color 21 – LEE165 Daylight Blue		
	116-120	Color 22 – LEE118 Light Blue		
	121-125	Color 23 – LEE068 Sky Blue		
	126-130	Color 24 – LEE142 Pale Violet		
	131-135	Color 25 – LEE194 Surprise Pink		
	136-140	Color 26 – LEE170 Deep Lavender		
	141-145	Color 27 – LEE002 Rose Pink		
	146-150	Color 28 – LEE192 Flesh Pink		
	151-155	Color 29 – LEE111 Dark Pink		
	156-160	Color 30 – LEE328 Follies Pink		
	161-165	Color 31 – LEE128 Bright Pink		
	166-170	Color 32 – LEE975 Magic Magenta		
	171-175	Color 33 – LEE793 Vanity Fair		
	176-180	Color 34 – LEE148 Bright Rose		
	181-185	Color 35 - Blackout		
	186-190	Color 36 – LEE130 Clear		
	191-192	Open (white)		
		<b>Color Scroll</b>		
	193-214	Ascending, fast → slow		
	215-221	Stop (at current position)		
	222-243	Descending, slow → fast		
		<b>Random colors</b>		
	244-247	Random color, fast		
	248-251	Random color, medium		
	252-255	Random color, slow		

Channel	Value	Function	Fade type	Default value
9		<b>Lamp on/off, reset, personality</b>		
	0-59	Reserved (no function)		
	60-64	Dimmer linear curve		
	65-69	Dimmer square law curve		
	70-74	Dimmer inverse square law curve		
	75-79	Dimmer S-curve		
	80-134	No function	Snap	0
	135-139	Smoothing on		
	140-144	Smoothing off		
	145-149	Auto Blackout on		
	150-154	Auto Blackout off		
	155-159	Control panel display on		
	160-164	Control panel display off		
165-255	Reserved (no function)			