

G-7 Spot - DMX protocol



Protocol rev. 0.95

Mode
Standard (22 channels)

Valid from firmware version

Channel	Name	DMX value	DMX Percentage	Description	Info	Default DMX value	Fader type		
1	SHUTTER	0	4	0,0%	1,6%	Closed	8 (3,1%)	Snap	
		5	9	2,0%	3,5%	Open			See note ①
		10	54	3,9%	21,2%	Strobe			Fast -> Slow
				0,0%	0,0%				
				0,0%	0,0%				
				0,0%	0,0%				
				0,0%	0,0%				
2	INTENSITY	0	255	0,0%	100,0%	Close -> Open	0 (0%)	Fade	
3	Cyan	0	255	0,0%	100,0%	0-100%	0 (0%)	Fade	
4	Magenta	0	255	0,0%	100,0%	0-100%	0 (0%)	Fade	
5	Yellow	0	255	0,0%	100,0%	0-100%	0 (0%)	Fade	
6	Color Temperature	0	244	0,0%	95,7%	CTO	0 (0%)	Fade	
		245	255	96,1%	100,0%	CTB	0(0%)	Fade	
7	Color Wheel	0	9	0,0%	3,5%	Open	0 (0%)	Snap	
		10	19	3,9%	7,5%	Color 1			
		20	29	7,8%	11,4%	Color 2			
		30	39	11,8%	15,3%	Color 3			
		40	49	15,7%	19,2%	Color 4			
		50	59	19,6%	23,1%	Color 5			
		60	69	23,5%	27,1%	Macro Red			See note ④
		70	79	27,5%	31,0%	Macro Green			See note ④
		80	89	31,4%	34,9%	Macro Blue			See note ④
		90	119	35,3%	46,7%	Effect Wheel Bounce			
120	149	47,1%	58,4%	Effect Wheel Bounce Sinus					
8 9	PAN	0	65535	0,0%	100,0%	-0° to 540°	32767 (50%)	Fade	
10 11	TILT	0	65535	0,0%	100,0%	-0° to 240°	32767 (50%)	Fade	
12	Rotating gobo	0	9	0,0%	3,5%	Open	0 (0%)	Snap	
		10	19	3,9%	7,5%	Gobo 1			
		20	29	7,8%	11,4%	Gobo 2			
		30	39	11,8%	15,3%	Gobo 3			
		40	49	15,7%	19,2%	Gobo 4			
		50	59	19,6%	23,1%	Gobo 5			
13 14	Rotating Gobo Indexing Rotation	0	511	0,0%	0,8%	No Index	0 (0%)	Fade	
		512	49151	0,8%	75,0%	0-540°			
		49152	57087	75,0%	87,1%	Rotation CCW			Fast -> Slow
		57088	57599	87,1%	87,9%	Stop			
		57600	65535	87,9%	100,0%	Rotation CW	Slow -> Fast		

Channel	Name	DMX value	DMX Percentage	Description	Info	Default DMX value	Fader type		
15	Static Gobo Wheel	0	9	0,0%	3,5%	Open	0 (0%)	Snap	
		10	19	3,9%	7,5%	Gobo 1			
		20	29	7,8%	11,4%	Gobo 2			
		30	39	11,8%	15,3%	Gobo 3			
		40	49	15,7%	19,2%	Gobo 4			
		50	59	19,6%	23,1%	Gobo 5			
		60	69	23,5%	27,1%	Gobo 6			
		70	79	27,5%	31,0%	Gobo 7			
		80	89	31,4%	34,9%	Gobo 8			
		90	99	35,3%	38,8%	Gobo 9			
16	Iris	0	200	0,0%	78,4%	Open -> Close	0 (0%)	Fade	
		201	205	78,8%	80,4%	Effect - "Open fast / Close slow"			
		206	210	80,8%	82,4%	Effect - "Open slow / Close fast"			
		211	215	82,7%	84,3%	Effect - "Open / Close" Slow			
17	Prism	0	4	0,0%	1,6%	Open	0 (0%)	Fade	
		5	127	2,0%	49,8%	Index			
		128	191	50,2%	74,9%	Spin CW			Fast -> Slow
		192	192	75,3%	75,3%	No Spin			
		193	255	75,7%	100,0%	Spin CCW			Slow -> Fast
18	FROST	0	5	0,0%	2,0%	Open	0 (0%)	Fade	
		6	254	2,4%	99,6%	Frost 0-100%			
		255	255	100,0%	100,0%	Heavy Frost			
19	ZOOM	0	255	0,0%	100,0%	0-100 Zoom	0 (0%)	Fade	
20	FOCUS	0	255	0,0%	100,0%	0-100 Focus	0 (0%)	Fade	
21	Macros	0	4	0,0%	1,6%	No Effect	0 (0%)	Snap	
				0,0%	0,0%				
				0,0%	0,0%				
				0,0%	0,0%				
				0,0%	0,0%				
				0,0%	0,0%				
				0,0%	0,0%				
				0,0%	0,0%				
				0,0%	0,0%				
				0,0%	0,0%				
22	Function	0	9	0,0%	3,5%	No Function	0 (0%)	Snap	
		10	19	3,9%	7,5%	Full Reset (1 Sec)			
		20	255	7,8%	100,0%	Reserved			

① To get complete blackout have dimmer and shutter at 0 and after 2 sec it will total blackout, this will take 400 milisec to exit

② All other channels must be at 0, and this hal to be held for 30 secs (Fixture will wake on full reset)

④ Macro colors will override any CMY values