
Protocol Rev. 2

Valid From Firmware Version
2.21

Channel	Name	DMX Value		DMX Percentage		Description	Info	Default DMX Value	Fader Type	
1	SHUTTER	0	7	0,0%	2,7%	Closed		10 (3,9%)	Snap	
		8	12	3,1%	4,7%	Open				
		18	88	7,1%	34,5%	Strobe	Slow -> Fast			
		89	108	34,9%	42,4%	Pulse - Open	Slow -> Fast			
		109	128	42,7%	50,2%	Pulse - Close	Slow -> Fast			
		129	178	50,6%	69,8%	Strobe - Random				
		179	198	70,2%	77,6%	Random Lightning	Fast -> Slow			
		199	208	78,0%	81,6%	Random Double Strobe	Fast -> Slow			
		209	218	82,0%	85,5%	Random Triple Strobe	Fast -> Slow			
		219	228	85,9%	89,4%	White Noise	Fast -> Slow			
		229	255	89,8%	100,0%	Open				
2	INTENSITY	0	65535	0,0%	100,0%	No LIGHT -> Maximum LIGHT		0 (0%)	Fade	
3	MACRO	0	4	0,0%	1,6%	Disabled		0 (0%)	Fade	
		5	9	2,0%	3,5%	Color 1 (Same as G-1 Beam)				
		10	14	3,9%	5,5%	Color 2 (Same as G-1 Beam)				
		15	19	5,9%	7,5%	Color 3 (Same as G-1 Beam)				
		20	24	7,8%	9,4%	Color 4 (Same as G-1 Beam)				
		25	29	9,8%	11,4%	Color 5 (Same as G-1 Beam)				
		30	34	11,8%	13,3%	Color 6 (Same as G-1 Beam)				
		35	39	13,7%	15,3%	Color 7 (Same as G-1 Beam)				
		40	44	15,7%	17,3%	Color 8 (Same as G-1 Beam)				
		45	49	17,6%	19,2%	Color 9 (Same as G-1 Beam)				
		50	54	19,6%	21,2%	Color 10 (Same as G-1 Beam)				
		55	59	21,6%	23,1%	Color 11 (Same as G-1 Beam)				
		60	64	23,5%	25,1%	Color 12 (Same as G-1 Beam)				
		65	69	25,5%	27,1%	Color 13 (Same as G-1 Beam)				
		70	74	27,5%	29,0%	Color 14 (Same as G-1 Beam)				
		75	79	29,4%	31,0%	Color Scroll CCW (Same as G-1 Beam)				Fast -> Slow
		80	84	31,4%	32,9%	Color Scroll CW (Same as G-1 Beam)				Slow -> Fast
85	89	33,3%	34,9%	Random Color						
195	199	76,5%	78,0%	Reserved						
4	RED	0	255	0,0%	100,0%	No RED -> Maximum RED		255 (100%)	Fade	
5	GREEN	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN		255 (100%)	Fade	
6	BLUE	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE		255 (100%)	Fade	
7	CTC / WHITE	Depending On Color Mode								
		Color Mode CTC								
		0	0	0,0%	0,0%	≈ 5600° K	See Note ❶	182 (71,3%)	Fade	
		1	4	0,4%	1,6%	No CTC (RAW)	See Note ❶			
		5	255	2,0%	100,0%	CTC 2000K -> 10000K	See Note ❶			
		Color Mode RAW								
		0	255	0,0%	100,0%	No WHITE -> Maximum WHITE	See Note ❶		Fade	
		Color Mode RAW White Calibrated 6500k								
0	255	0,0%	100,0%	No WHITE -> Maximum WHITE	See Note ❶		Fade			

Channel	Name	DMX Value		DMX Percentage		Description	Info	Default DMX Value	Fader Type	
8 9	PAN	Depending On Pan Mode								
		0	65535	0,0%	100,0%	-270° to 270° / 540° Mode	540°	32767 (50%)	Fade	
		0	65535	0,0%	100,0%	-180° to 180° / 360° Mode	360°			
		0	65535	0,0%	100,0%	-180° to 180° / 360° Mode (Shortest Path)	360° Shortest Path			
		Pan Mode Continuous Rotation								
		0	32766	0,0%	49,9%	CCW - Counter Clockwise	Fast -> Slow		Fade	
		32767	32767	50,0%	50,0%	Stopped	Stopped			
		32768	65535	50,1%	100,0%	CW - Clockwise	Slow -> Fast			
10 11	TILT	0	65535	0,0%	100,0%	-120° to 120°		32767 (50%)	Fade	
12	PAN MODE	0	7	0,0%	2,7%	540° Mode	Mode for Pan	0 (0%)	Snap	
		8	15	3,1%	5,9%	360° Mode				
		16	23	6,3%	9,0%	360° Shortest Path Mode				
		24	31	9,4%	12,2%	Continuous Rotation Mode				
		32	39	12,5%	15,3%	360° North Calibrated (BETA)	See Note ❷			
		40	143	15,7%	56,1%	Reserved				
		144	151	56,5%	59,2%	Store Pan/Tilt Position Preset 1	See Note ❸	0 (0%)	Snap	
		152	159	59,6%	62,4%	Store Pan/Tilt Position Preset 2				
		160	167	62,7%	65,5%	Store Pan/Tilt Position Preset 3				
		168	175	65,9%	68,6%	Store Pan/Tilt Position Preset 4				
		176	183	69,0%	71,8%	Store Pan/Tilt Position Preset 5				
		184	191	72,2%	74,9%	Store Pan/Tilt Position Preset 6				
		192	199	75,3%	78,0%	Store Pan/Tilt Position Preset 7				
		200	207	78,4%	81,2%	Store Pan/Tilt Position Preset 8				
		208	215	81,6%	84,3%	Store Pan/Tilt Position Preset 9				
		216	223	84,7%	87,5%	Sequential Stored Position Preset Fade	Slow -> Fast			
		224	231	87,8%	90,6%	Sequential Stored Position Preset Snap	Slow -> Fast			
		232	239	91,0%	93,7%	Random Stored Position Preset Fade	Slow -> Fast			
		240	247	94,1%	96,9%	Random Stored Position Preset Snap	Slow -> Fast			
		248	255	97,3%	100,0%	540° Mode	Mode for Pan			
13	CONTROL CHANNEL	0	4	0,0%	1,6%	No Function (Color Mode CTC)		0 (0%)	Snap	
		5	9	2,0%	3,5%	Full Reset				
		10	14	3,9%	5,5%	Pan Reset				
		15	19	5,9%	7,5%	Tilt Reset				
		20	24	7,8%	9,4%	Head Reset				
		25	29	9,8%	11,4%	Color Mode Raw				
		30	34	11,8%	13,3%	Color Mode Raw White Calibrated 6500K				
		35	39	13,7%	15,3%	Display On				(Hold for 3 sec.)
		40	44	15,7%	17,3%	Display Off	(Hold for 3 sec.)			
		45	49	17,6%	19,2%	Power Off	(Hold for 3 sec.)			
		50	255	19,6%	100,0%	Reserved				

The G-1 Wash operates in one mode only

① Depending on color mode set on the control channel.

② Will take 45 seconds first time the mode is initiated, to calibrate the internal sensors.

③ When storing internal position presets by DMX hold the value on the pan-mode channel for 3 sec.