

G-4 Wash/Washbeam RGBAM - DMX Protocol



Protocol Rev. 8

Mode
Default (18 Channels)

Valid From Firmware Version
3.00

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	17	3,1%	6,7%	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 3	INTENSITY	0	65535	0,0%	100,0%	No LIGHT -> Maximum LIGHT	0 (0%)	Fade		
4	MACRO	0	4	0,0%	1,6%	Disabled	Emulated	0 (0%)	Fade	
		5	9	2,0%	3,5%	Congo - (G-1 Beam Color 1)				With Filter See Note ①
		10	14	3,9%	5,5%	Red - (G-1 Beam Color 2)				
		15	19	5,9%	7,5%	Green - (G-1 Beam Color 3)				
		20	24	7,8%	9,4%	Blue - (G-1 Beam Color 4)				
		25	29	9,8%	11,4%	Orange - (G-1 Beam Color 5)				
		30	34	11,8%	13,3%	Light Green - (G-1 Beam Color 6)				
		35	39	13,7%	15,3%	Pink - (G-1 Beam Color 7)				
		40	44	15,7%	17,3%	Light Blue - (G-1 Beam Color 8)				
		45	49	17,6%	19,2%	Purple - (G-1 Beam Color 9)				
		50	54	19,6%	21,2%	Neon Green - (G-1 Beam Color 10)				
		55	59	21,6%	23,1%	Magenta - (G-1 Beam Color 11)				
		60	64	23,5%	25,1%	Cyan - (G-1 Beam Color 12)				
		65	69	25,5%	27,1%	Yellow - (G-1 Beam Color 13)				
		70	74	27,5%	29,0%	CTC - (G-1 Beam Color 14)				
		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				
90	180	35,3%	70,6%	Color Filter Emulation	See Color Filter Emulation Chart					
Reserved										
181	244	71,0%	95,7%	RAW Amber	See Note ②	0 (0%)	Fade			
245	249	96,1%	97,6%	RAW Mint						
250	255	98,0%	100,0%	RAW Mint						
5 6	RED	0	65535	0,0%	100,0%	No RED -> Maximum RED	255 (100%)	Fade		
7 8	GREEN	0	65535	0,0%	100,0%	No GREEN -> Maximum GREEN	255 (100%)	Fade		
9 10	BLUE	0	65535	0,0%	100,0%	No BLUE -> Maximum BLUE	255 (100%)	Fade		
11	CTC	0	0	0,0%	0,0%	≈ 5600° K	182 (71,3%)	Fade		
		1	4	0,4%	1,6%	No CTC (RAW)				
		5	255	2,0%	100,0%	CTC 2000K -> 10000K			See CTC chart for values	

Channel	Name	DMX Value	DMX Percentage	Description	Info	Default DMX Value	Fader Type		
12 13	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	32767 (50%)	Fade
		32767	32767	50,0%	50,0%	Stopped	Stopped		
32768	65535	50,1%	100,0%	CW - Clockwise	Slow -> Fast				
14 15	TILT	0	65535	0,0%	100,0%	-106,5° to 106,5°	32767 (50%)	Fade	
16	PAN MODE	0	7	0,0%	2,7%	540° Mode	See Note ③	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	143	12,5%	56,1%	Reserved			
		144	151	56,5%	59,2%	Store Pan/Tilt Position Preset 1	See Note ④	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					
17	ZOOM	0	255	0,0%	100,0%	Narrow -> Wide	105 (41%)	Fade	
18	CONTROL CHANNEL	0	4	0,0%	1,6%	No Function	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%	Zoom Reset			
		30	34	11,8%	13,3%	Reserved			
		35	39	13,7%	15,3%	Display On	(Hold for 3 sec.)	0 (0%)	Snap
		40	44	15,7%	17,3%	Display Off			
		45	49	17,6%	19,2%	Power Off			
		50	54	19,6%	21,2%	Optimized Beam Narrow	See Note ⑤	0 (0%)	Snap
		55	59	21,6%	23,1%	Optimized Beam Wide			
60	255	23,5%	100,0%	Reserved					

The G-4 Wash/Washbeam operates in one mode only

- ① Congo and Red on the color macro channel overwrites the RGB mixcolor and inserts a filter.
- ② Overwrites the RGB mixcolor with Amber only or Mint only.
- ③ The pan channel controls the speed of the rotation when set to pan mode 'continuous rotation' (FULL CCW - STOP - FULL CW).
- ④ When storing internal position presets by DMX hold the value on the pan-mode channel for 3 sec.
- ⑤ Set and hold value to optimize performance for narrow or wide beam.