

Q-7 - DMX Protocol



Protocol Rev. 4

Mode
3 Channels (Full Color Calibrated)

Valid From Firmware Version
3.00

Channel	Name	DMX Value		DMX Percentage		Description	Info	Default DMX Value	Fader Type
1	RED	0	255	0,0%	100,0%	No RED -> Maximum RED		0 (0%)	Fade
2	GREEN	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN		0 (0%)	Fade
3	BLUE	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE		0 (0%)	Fade

Full Color Calibrated mode, WHITE is automatically controlled

Q-7 - DMX Protocol



Protocol Rev. 4

Mode
4 Channels (RAW)

Valid From Firmware Version
3.00

Channel	Name	DMX Value		DMX Percentage		Description	Info	Default DMX Value	Fader Type
1	RED	0	255	0,0%	100,0%	No RED -> Maximum RED		0 (0%)	Fade
2	GREEN	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN		0 (0%)	Fade
3	BLUE	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE		0 (0%)	Fade
4	WHITE	0	255	0,0%	100,0%	No WHITE -> Maximum WHITE		0 (0%)	Fade

RAW mode, RED / GREEN / BLUE / WHITE Control

Q-7 - DMX Protocol



Protocol Rev. 4

Mode
6 Channels (RAW)

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	15	3,1%	5,9%	Open			
		16	151	6,3%	59,2%	Strobe	Fast -> Slow		
		152	175	59,6%	68,6%	Pulse - Open	Slow -> Fast		
		176	199	69,0%	78,0%	Pulse - Close	Slow -> Fast		
		200	244	78,4%	95,7%	Strobe - Random	Slow -> Fast		
		245	255	96,1%	100,0%	Open			
2	Intensity	0	255	0,0%	100,0%	No Light -> Maximum Light		0 (0%)	Fade
3	RED	0	255	0,0%	100,0%	No RED -> Maximum RED		0 (0%)	Fade
4	GREEN	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN		0 (0%)	Fade
5	BLUE	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE		0 (0%)	Fade
6	WHITE	0	255	0,0%	100,0%	No WHITE -> Maximum WHITE		0 (0%)	Fade

RAW mode, RED / GREEN / BLUE / WHITE Control

Q-7 - DMX Protocol



Protocol Rev. 4

Mode
6 Channels (CTC)

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	15	3,1%	5,9%	Open			
		16	151	6,3%	59,2%	Strobe	Fast -> Slow		
		152	175	59,6%	68,6%	Pulse - Open	Slow -> Fast		
		176	199	69,0%	78,0%	Pulse - Close	Slow -> Fast		
		200	244	78,4%	95,7%	Strobe - Random	Slow -> Fast		
		245	255	96,1%	100,0%	Open			
2	Intensity	0	255	0,0%	100,0%	No Light -> Maximum Light		0 (0%)	Fade
3	CTC	0	0	0,0%	0,0%	~5600K		182 (71,3%)	Fade
		1	4	0,4%	1,6%	No CTC (RAW)			
		5	255	2,0%	100,0%	CTC 2000K -> 10000K			
4	RED	0	255	0,0%	100,0%	No RED -> Maximum RED		0 (0%)	Fade
5	GREEN	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN		0 (0%)	Fade
6	BLUE	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE		0 (0%)	Fade

RAW / Calibrated when CTC is above 4 - RED / GREEN / BLUE Control + CTC

Q-7 - DMX Protocol



Protocol Rev. 4

Mode
8 Channels (RAW) 16 Bit

Valid From Firmware Version
3.00

Channel	Name	DMX Value		DMX Percentage		Description	Info	Default DMX Value	Fader Type
1 2	RED	0	65535	0,0%	100,0%	No RED -> Maximum RED		0 (0%)	Fade
3 4	GREEN	0	65535	0,0%	100,0%	No GREEN -> Maximum GREEN		0 (0%)	Fade
5 6	BLUE	0	65535	0,0%	100,0%	No BLUE -> Maximum BLUE		0 (0%)	Fade
7 8	WHITE	0	65535	0,0%	100,0%	No WHITE -> Maximum WHITE		0 (0%)	Fade

RAW mode, 16 BIT - RED / GREEN / BLUE / WHITE Control

Q-7 - DMX Protocol



Protocol Rev. 4

Mode
XC-5 Emulation 8 Channel

Valid From Firmware Version
3.00

Channel	Name	DMX Value		DMX Percentage		Description	Info	Default DMX Value	Fader Type
1	Intensity	0	255	0,0%	100,0%	No Light -> Maximum Light		0 (0%)	Fade
2	Strobe Duration	0	255	0,0%	100,0%	No DURATION -> Maximum DURATION	Short -> Long	0 (0%)	Fade
3	RATE	0	255	0,0%	100,0%	Slow RATE -> Fast RATE	Slow -> Fast	0 (0%)	Fade
4	Effect	0	5	0,0%	2,0%	No Effect		0 (0%)	Snap
		6	10	2,4%	3,9%	Flicker Variable Slow → Fast			
		11	15	4,3%	5,9%	Lightning Variable Speed Slow → Fast			
		16	20	6,3%	7,8%	Random Strobe			
		21	25	8,2%	9,8%	Flicker Individual Color Slow → Fast			
		26	30	10,2%	11,8%	Random Strobe Color			
		31	35	12,2%	13,7%	Random Spike Color Low -> High			
		36	40	14,1%	15,7%	Random Spike Low glow → High Glow			
41	255	16,1%	100,0%	Reserved (No Effect)					
5	RED	0	255	0,0%	100,0%	No RED -> Maximum RED		0 (0%)	Fade
6	GREEN	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN		0 (0%)	Fade
7	BLUE	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE		0 (0%)	Fade
8	WHITE	0	255	0,0%	100,0%	No WHITE -> Maximum WHITE		0 (0%)	Fade

X-5 Emulation Mode - Individual Intensity Control For Each Color

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Protocol Rev. 4

Mode
10 Channels (CTC)

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	15	3,1%	5,9%	Open			
		16	151	6,3%	59,2%	Strobe	Fast -> Slow		
		152	175	59,6%	68,6%	Pulse - Open	Slow -> Fast		
		176	199	69,0%	78,0%	Pulse - Close	Slow -> Fast		
		200	244	78,4%	95,7%	Strobe - Random	Slow -> Fast		
245	255	96,1%	100,0%	Open					
2 3	Intensity	0	255	0,0%	100,0%	No Light -> Maximum Light		0 (0%)	Fade
4	CTC	0	0	0,0%	0,0%	~5600K		182 (71,3%)	Fade
		1	4	0,4%	1,6%	No CTC (RAW)			
		5	255	2,0%	100,0%	CTC 2000K -> 10000K			
5 6	RED	0	65535	0,0%	100,0%	No RED -> Maximum RED		0 (0%)	Fade
7 8	GREEN	0	65535	0,0%	100,0%	No GREEN -> Maximum GREEN		0 (0%)	Fade
9 10	BLUE	0	65535	0,0%	100,0%	No BLUE -> Maximum BLUE		0 (0%)	Fade

RAW / Calibrated when CTC is above 4 - RED / GREEN / BLUE Control + CTC