

Q-7 - DMX Protocol



Protocol Rev. 3

Mode
3 channels

Valid From Firmware Version
2.51

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

CALIBRATED mode, RED / GREEN / BLUE control

Q-7 - DMX Protocol



Protocol Rev. 3

Mode
4 channels (RAW)

Valid From Firmware Version
2.51

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. 3

Mode
6 channels (RAW)

Valid From Firmware Version
2.51

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. 3

Mode
6 channels (CTC)

Valid From Firmware Version
2.51

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%	≈ 5600° K		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

CALIBRATED mode, RED / GREEN / BLUE Control

Q-7 - DMX Protocol



Protocol Rev. 3

Mode
8 channels (RAW) 16 Bit

Valid From Firmware Version
2.51

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. 3

Mode
9 channels (RAW) 16 Bit

Valid From Firmware Version
2.51

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 3	RED	0 65535	0,0% 100,0%	No RED -> Maximum RED		0 (0%)	Fade
4 5	GREEN	0 65535	0,0% 100,0%	No GREEN -> Maximum GREEN		0 (0%)	Fade
6 7	BLUE	0 65535	0,0% 100,0%	No BLUE -> Maximum BLUE		0 (0%)	Fade
8 9	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. 3

Mode
10 channels (RAW)

Valid From Firmware Version
2.51

Channel	Name	DMX Value	DMX Percentage	Description	Info	Default DMX Value	Fader Type
1 2	INTENSITY	0 65535	0,0% 100,0%	No LIGHT -> Maximum LIGHT		0 (0%)	Fade
3 4	RED	0 65535	0,0% 100,0%	No RED -> Maximum RED		0 (0%)	Fade
5 6	GREEN	0 65535	0,0% 100,0%	No GREEN -> Maximum GREEN		0 (0%)	Fade
7 8	BLUE	0 65535	0,0% 100,0%	No BLUE -> Maximum BLUE		0 (0%)	Fade
9 10	WHITE	0 65535	0,0% 100,0%	No WHITE -> Maximum WHITE		0 (0%)	Fade

RAW mode, 16 Bit, RED / GREEN / BLUE / WHITE Control