

Q-2 - DMX protocol

Protocol rev. 2



Mode
15 channels (RAW)

Valid from firmware version
1.20

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	255	0,0%	100,0%	2000K - 10000K	Only active when channel >4	0 (0%)	Fade
4	RED Panel 1	0	255	0,0%	100,0%	No RED -> Maximum RED	Panel 1	0 (0%)	Fade
5	GREEN Panel 1	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 1	0 (0%)	Fade
6	BLUE Panel 1	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 1	0 (0%)	Fade
7	WHITE Panel 1	0	255	0,0%	100,0%	No WHITE -> Maximum WHITE	Panel 1	0 (0%)	Fade
8	RED Panel 2	0	255	0,0%	100,0%	No RED -> Maximum RED	Panel 2	0 (0%)	Fade
9	GREEN Panel 2	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 2	0 (0%)	Fade
10	BLUE Panel 2	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 2	0 (0%)	Fade
11	WHITE Panel 2	0	255	0,0%	100,0%	No WHITE -> Maximum WHITE	Panel 2	0 (0%)	Fade
12	RED Panel 3	0	255	0,0%	100,0%	No RED -> Maximum RED	Panel 3	0 (0%)	Fade
13	GREEN Panel 3	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 3	0 (0%)	Fade
14	BLUE Panel 3	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 3	0 (0%)	Fade
15	WHITE Panel 3	0	255	0,0%	100,0%	No WHITE -> Maximum WHITE	Panel 3	0 (0%)	Fade

RAW mode, full RED / GREEN / BLUE / WHITE control - 3 segments

Q-2 - DMX protocol

Protocol rev. 2



Mode
12 channels (Full Color Calibrated)

Valid from firmware version
1.20

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	255	0,0%	100,0%	2000K - 10000K	Only active when channel >4	0 (0%)	Fade
4	RED Panel 1	0	255	0,0%	100,0%	No RED -> Maximum RED	Panel 1	0 (0%)	Fade
5	GREEN Panel 1	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 1	0 (0%)	Fade
6	BLUE Panel 1	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 1	0 (0%)	Fade
7	RED Panel 2	0	255	0,0%	100,0%	No RED -> Maximum RED	Panel 2	0 (0%)	Fade
8	GREEN Panel 2	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 2	0 (0%)	Fade
9	BLUE Panel 2	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 2	0 (0%)	Fade
10	RED Panel 3	0	255	0,0%	100,0%	No RED -> Maximum RED	Panel 3	0 (0%)	Fade
11	GREEN Panel 3	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 3	0 (0%)	Fade
12	BLUE Panel 3	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 3	0 (0%)	Fade

Full Color Calibrated mode, WHITE is automatically controlled - 3 segments

Q-2 - DMX protocol

Protocol rev. 2



Mode
22 channels (Full Color Calibrated) 16 Bit

Valid from firmware version
1.20

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	65535	0,0%	100,0%	No light -> Maximum light		0 (0%)	Fade
4	CTC	0	255	0,0%	100,0%	2000K - 10000K	Only active when channel >4	0 (0%)	Fade
5 6	RED Panel 1	0	65535	0,0%	100,0%	No RED -> Maximum RED	Panel 1	0 (0%)	Fade
7 8	GREEN Panel 1	0	65535	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 1	0 (0%)	Fade
9 10	BLUE Panel 1	0	65535	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 1	0 (0%)	Fade
11 12	RED Panel 2	0	65535	0,0%	100,0%	No RED -> Maximum RED	Panel 2	0 (0%)	Fade
13 14	GREEN Panel 2	0	65535	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 2	0 (0%)	Fade
15 16	BLUE Panel 2	0	65535	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 2	0 (0%)	Fade
17 18	RED Panel 3	0	65535	0,0%	100,0%	No RED -> Maximum RED	Panel 3	0 (0%)	Fade
19 20	GREEN Panel 3	0	65535	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 3	0 (0%)	Fade
21 22	BLUE Panel 3	0	65535	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 3	0 (0%)	Fade

16 Bit, Full Color Calibrated mode, WHITE is automatically controlled - 3 segments

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Mode
6 channels (Full Color Calibrated)

Valid from firmware version
1.20

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	255	0,0%	100,0%	2000K - 10000K	Only active when channel >4	0 (0%)	Fade
4	RED All Panels	0	255	0,0%	100,0%	No RED -> Maximum RED	All Panels	0 (0%)	Fade
5	GREEN All Panels	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	All Panels	0 (0%)	Fade
6	BLUE All Panels	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	All Panels	0 (0%)	Fade

Single Segment, Full Color Calibrated mode, WHITE is automatically controlled - 1 segment

Q-2 - DMX protocol

Protocol rev. 2



Mode
9 channels, 3 x RGB (Full Color Calibrated)

Valid from firmware version
1.20

Channel	Name	DMX value		DMX Percentage		Description	Info	Default DMX value	Fader type
1	RED Panel 1	0	255	0,0%	100,0%	No RED -> Maximum RED	Panel 1	0 (0%)	Fade
2	GREEN Panel 1	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 1	0 (0%)	Fade
3	BLUE Panel 1	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 1	0 (0%)	Fade
4	RED Panel 2	0	255	0,0%	100,0%	No RED -> Maximum RED	Panel 2	0 (0%)	Fade
5	GREEN Panel 2	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 2	0 (0%)	Fade
6	BLUE Panel 2	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 2	0 (0%)	Fade
7	RED Panel 3	0	255	0,0%	100,0%	No RED -> Maximum RED	Panel 3	0 (0%)	Fade
8	GREEN Panel 3	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	Panel 3	0 (0%)	Fade
9	BLUE Panel 3	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	Panel 3	0 (0%)	Fade

3 x RGB, Full Color Calibrated mode, WHITE is automatically controlled - 3 segments

Q-2 - DMX protocol

Protocol rev. 2



Mode
3 channels, 1 x RGB (Full Color Calibrated)

Valid from firmware version
1.20

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

1 x RGB, Full Color Calibrated mode, WHITE is automatically controlled - 1 segment