

## Q-2 - DMX protocol

Protocol rev. 4



Mode
3 channels (Full Color Calibrated)

Valid from firmware version
1.46

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

## Q-2 - DMX protocol

Protocol rev. 4



Mode
4 channels (RAW)

Valid from firmware version
1.46

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

RAW mode, full RED / GREEN / BLUE / WHITE control - 1 segment

## Q-2 - DMX protocol

Protocol rev. 4



Mode
6 channels (Full Color Calibrated)

Valid from firmware version
1.46

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%	2000K - 10000K			
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

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

## Q-2 - DMX protocol

Protocol rev. 4



Mode
6 channels (RAW)

Valid from firmware version
1.46

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 All Panels	0	255	0,0%	100,0%	No RED -> Maximum RED	All Panels	0 (0%)	Fade
4	GREEN All Panels	0	255	0,0%	100,0%	No GREEN -> Maximum GREEN	All Panels	0 (0%)	Fade
5	BLUE All Panels	0	255	0,0%	100,0%	No BLUE -> Maximum BLUE	All Panels	0 (0%)	Fade
6	WHITE All Panels	0	255	0,0%	100,0%	No WHITE -> Maximum WHITE	All Panels	0 (0%)	Fade

RAW mode, full RED / GREEN / BLUE / WHITE control - 1 segment

## Q-2 - DMX protocol

Protocol rev. 4



Mode
9 channels (Full Color Calibrated)

Valid from firmware version
1.46

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. 4



Mode
10 channels

Valid from firmware version
1.46

Channel	Name	DMX value	DMX Percentage	Description	Info	Default DMX value	Fader type
1 2	Dimmer	0 65535	0,0% 100,0%	0-100% Intensity		0 (0%)	Fade
3 4	Red All Panels	0 65535	0,0% 100,0%	0-100% Red		0 (0%)	Fade
5 6	Green All Panels	0 65535	0,0% 100,0%	0-100% Green		0 (0%)	Fade
7 8	Blue All Panels	0 65535	0,0% 100,0%	0-100% Blue		0 (0%)	Fade
9 10	White All Panels	0 65535	0,0% 100,0%	0-100% White		0 (0%)	Fade

## Q-2 - DMX protocol

Protocol rev. 4



Mode
12 channels (Full Color Calibrated)

Valid from firmware version
1.46

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%	2000K - 10000K			
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. 4



Mode
15 channels (RAW)

Valid from firmware version
1.46

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%	2000K - 10000K			
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. 4



Mode
22 channels (Full Color Calibrated) 16 Bit

Valid from firmware version
1.46

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	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%	2000K - 10000K			
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