

# X5 Series - DMX protocol

Protocol rev. 1



Valid from firmware version

3.00

Mode

1 channel

Channel	Name	DMX value		DMX Percentage		Description	Info	Default DMX value	Fader type
1	Strobe	0	5	0,0%	2,0%	Blackout		0 (0%)	Fade
		6	249	2,4%	97,6%	Strobe	Slow -> Fast		
		250	255	98,0%	100,0%	Blinder			

Mode

3 channel

Channel	Name	DMX value		DMX Percentage		Description	Info	Default DMX value	Fader type
1	Intensity	0	5	0,0%	2,0%	Blackout		0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
2	Duration	0	255	0,0%	100,0%	Flash duration	1 -> 650 ms (50 Hz) 1 -> 530 ms (60 Hz)	0 (0%)	Fade
3	Rate	0	5	0,0%	2,0%	No flash		0 (0%)	Fade
		6	255	2,4%	100,0%	Flash rate	0.5 -> 25 Hz (50 Hz) 0.6 -> 30 Hz (60 Hz)		

Mode

4 channel

Channel	Name	DMX value		DMX Percentage		Description	Info	Default DMX value	Fader type
1	Intensity	0	5	0,0%	2,0%	Blackout		0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
2	Duration	0	255	0,0%	100,0%	Flash duration	1 -> 650 ms (50 Hz) 1 -> 530 ms (60 Hz)	0 (0%)	Fade
3	Rate	0	5	0,0%	2,0%	No flash		0 (0%)	Fade
		6	255	2,4%	100,0%	Flash rate	0.5 -> 25 Hz (50 Hz) 0.6 -> 30 Hz (60 Hz)		
4	Effect (Takes priority over Duration)	0	5	0,0%	2,0%	No effect		0 (0%)	Snap
		6	42	2,4%	16,5%	Ramp up			
		43	85	16,9%	33,3%	Ramp down			
		86	128	33,7%	50,2%	Ramp up / Ramp down			
		129	171	50,6%	67,1%	Random			
		172	214	67,5%	83,9%	Lightning			
215	255	84,3%	100,0%	Spike					

Mode

6 channel

Channel	Name	DMX value		DMX Percentage		Description	Info	Default DMX value	Fader type
1	Intensity	0	5	0,0%	2,0%	Blackout		0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
2	Intensity - Segment 1	0	5	0,0%	2,0%	Blackout	Segment 1 @ Mains power side	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
3	Intensity - Segment 2	0	5	0,0%	2,0%	Blackout	Segment 2 @ Center	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
4	Intensity - Segment 3	0	5	0,0%	2,0%	Blackout	Segment 3 @ DMX side	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
5	Duration	0	255	0,0%	100,0%	Flash duration	1 -> 650 ms (50 Hz) 1 -> 530 ms (60 Hz)	0 (0%)	Fade
6	Rate	0	5	0,0%	2,0%	No flash		0 (0%)	Fade
		6	255	2,4%	100,0%	Flash rate	0.5 -> 25 Hz (50 Hz) 0.6 -> 30 Hz (60 Hz)		

Mode
7 channel

Channel	Name	DMX value		DMX Percentage		Description	Info	Default DMX value	Fader type
1	Intensity	0	5	0,0%	2,0%	Blackout		0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
2	Duration	0	255	0,0%	100,0%	Flash duration	1 -> 650 ms (50 Hz) 1 -> 530 ms (60 Hz)	0 (0%)	Fade
3	Rate	0	5	0,0%	2,0%	No flash	0.5 -> 25 Hz (50 Hz) 0.6 -> 30 Hz (60 Hz)	0 (0%)	Fade
		6	255	2,4%	100,0%	Flash rate			
4	Effect (Takes priority over Duration)	0	5	0,0%	2,0%	No effect		0 (0%)	Snap
		6	42	2,4%	16,5%	Ramp up			
		43	85	16,9%	33,3%	Ramp down			
		86	128	33,7%	50,2%	Ramp up / Ramp down			
		129	171	50,6%	67,1%	Random			
		172	214	67,5%	83,9%	Lightning			
5	Intensity - Segment 1	0	5	0,0%	2,0%	Blackout	Segment 1 @ Mains power side	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
6	Intensity - Segment 2	0	5	0,0%	2,0%	Blackout	Segment 2 @ Center	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
7	Intensity - Segment 3	0	5	0,0%	2,0%	Blackout	Segment 3 @ DMX side	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			

Mode
7 channel LEGACY

Channel	Name	DMX value		DMX Percentage		Description	Info	Default DMX value	Fader type
1	Intensity	0	5	0,0%	2,0%	Blackout		0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
2	Intensity - Segment 1	0	5	0,0%	2,0%	Blackout	Segment 1 @ Mains power side	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
3	Intensity - Segment 2	0	5	0,0%	2,0%	Blackout	Segment 2 @ Center	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
4	Intensity - Segment 3	0	5	0,0%	2,0%	Blackout	Segment 3 @ DMX side	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
5	Duration	0	255	0,0%	100,0%	Flash duration	1 -> 650 ms (50 Hz) 1 -> 530 ms (60 Hz)	0 (0%)	Fade
6	Rate	0	5	0,0%	2,0%	No flash	0.5 -> 25 Hz (50 Hz) 0.6 -> 30 Hz (60 Hz)	0 (0%)	Fade
		6	255	2,4%	100,0%	Flash rate			
7	Effect (Takes priority over Duration)	0	5	0,0%	2,0%	No effect		0 (0%)	Snap
		6	42	2,4%	16,5%	Ramp up			
		43	85	16,9%	33,3%	Ramp down			
		86	128	33,7%	50,2%	Ramp up / Ramp down			
		129	171	50,6%	67,1%	Random			
		172	214	67,5%	83,9%	Lightning			
215	255	84,3%	100,0%	Spike					

Mode
Pixel (3 ch)

Channel	Name	DMX value		DMX Percentage		Description	Info	Default DMX value	Fader type
1	Intensity - Segment 1	0	5	0,0%	2,0%	Blackout	Segment 1 @ Mains power side	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
2	Intensity - Segment 2	0	5	0,0%	2,0%	Blackout	Segment 2 @ Center	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			
3	Intensity - Segment 3	0	5	0,0%	2,0%	Blackout	Segment 3 @ DMX side	0 (0%)	Fade
		6	255	2,4%	100,0%	Min. intensity -> Max. intensity			