

# REDWash 3•192 - DMX protocol

Version 1.0

Mode/Channel				Value	Function	Type of control
1	2	3	4			
1	1	1	1	0 - 255	<b>Pan</b> Pan movement by 530°	proportional
2	-	2	-	0 - 255	<b>Pan Fine</b> Fine control of pan movement	proportional
3	2	3	2	0 - 255	<b>Tilt</b> Tilt movement by 280°	proportional
4	-	4	-	0 - 255	<b>Tilt fine</b> Fine control of tilt movement	proportional
5	3	5	3	0	<b>Pan/Tilt speed , Pan/Tilt time</b> Max. speed (tracking mode)	step
				1 - 255	<b><u>P./T. speed-set Speed Mode in menu: Pan/Tilt Mode</u></b> Speed from max. to min. (vector mode)	proportional
				1 - 255	<b><u>P./T. time - set Time Mode in menu: Pan/Tilt Mode</u></b> Time from 0.1 s to 25.5 s.	proportional
6	-	6	-	0 - 9	<b>Pan/Tilt macro selection</b> Disabled pan/tilt macro	step
				10 - 31	Reserved	step
				32 - 63	Figure of circle (from small to large)	proportional
				64 - 95	Figure of horizontal eight (from small to large)	proportional
				96 - 127	Figure of vertical eight (from small to large)	proportional
				128 - 159	Figure of rectangle (from small to large)	proportional
				160 - 191	Figure of triangle (from small to large)	proportional
				192 - 223	Figure of star (from small to large)	proportional
224 - 255	Figure of cross (from small to large)	proportional				
7	-	7	-	0	<b>Pan/Tilt macro speed</b> <i>(Set pan/tilt speed (channel 5/3) at 0)</i> No macro generation	step
				1 - 127	Macro generation from fast to slow-forwards	proportional
				128 - 129	No macro generation	step
				130 - 255	Macro generation from slow to fast-backwards	proportional
8	4	8	4	0 - 49	<b>Power/Special functions</b> Reserved <i>To activate following functions, stop in DMX value for at least 3 sec. and shutter must be closed at least 3 sec. („Shutter” channel 26,22,14 must be at range of 0-31 DMX).Corresponding menu items are temporarily overridden.</i>	
				50 - 59	Pan/Tilt speed mode	step
				60 - 69	Pan/Tilt time mode	step
				70 - 79	Blackout while pan/tilt moving	step
				80 - 89	Disabled blackout while pan/tilt moving	step
				90 - 199	Reserved <i>To activate following function, stop in DMX value for at least 3 sec.</i>	
				200 - 209	Pan/Tilt reset	step
210 - 255	Reserved					
-	-	9	5	0 - 255	<b>Red LEDs - All Arrays</b> Red LEDs saturation control (0-100%)	proportional
-	-	10	6	0 - 255	<b>Green LEDs - All Arrays</b> Green LEDs saturation control (0-100%)	proportional
-	-	11	7	0 - 255	<b>Blue LEDs - All Arrays</b> Blue LEDs saturation control (0-100%)	proportional
-	-	12	8	0 - 255	<b>White LEDs - All Arrays</b> White LEDs saturation control (0-100%)	proportional
9	5	-	-	0 - 255	<b>Red LEDs - Array 1</b> Red LEDs saturation control (0-100%)	proportional
10	6	-	-	0 - 255	<b>Green LEDs - Array 1</b> Green LEDs saturation control (0-100%)	proportional
11	7	-	-	0 - 255	<b>Blue LEDs - Array 1</b> Blue LEDs saturation control (0-100%)	proportional

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1	2	3	4			
12	8	-	-	0 - 255	<b>White LEDs - Array 1</b> White LEDs saturation control (0-100%)	proportional
13	9	-	-	0 - 255	<b>Red LEDs - Array 2</b> Red LEDs saturation control (0-100%)	proportional
14	10	-	-	0 - 255	<b>Green LEDs - Array 2</b> Green LEDs saturation control (0-100%)	proportional
15	11	-	-	0 - 255	<b>Blue LEDs - Array 2</b> Blue LEDs saturation control (0-100%)	proportional
16	12	-	-	0 - 255	<b>White LEDs - Array 2</b> White LEDs saturation control (0-100%)	proportional
17	13	-	-	0 - 255	<b>Red LEDs - Array 3</b> Red LEDs saturation control (0-100%)	proportional
18	14	-	-	0 - 255	<b>Green LEDs - Array 3</b> Green LEDs saturation control (0-100%)	proportional
19	15	-	-	0 - 255	<b>Blue LEDs - Array 3</b> Blue LEDs saturation control (0-100%)	proportional
20	16	-	-	0 - 255	<b>White LEDs - Array 3</b> White LEDs saturation control (0-100%)	proportional
21	17	-	-	0 - 255	<b>Red LEDs - Array 4</b> Red LEDs saturation control (0-100%)	proportional
22	18	-	-	0 - 255	<b>Green LEDs - Array 4</b> Green LEDs saturation control (0-100%)	proportional
23	19	-	-	0 - 255	<b>Blue LEDs - Array 4</b> Blue LEDs saturation control (0-100%)	proportional
24	20	-	-	0 - 255	<b>White LEDs - Array 4</b> White LEDs saturation control (0-100%)	proportional
25	21	13	-	0 - 7	<b>Colour Macros</b> No function	
				8 - 15	Macro 1	step
				16 - 23	Macro 2	step
				24 - 31	Macro 3	step
				32 - 39	Macro 4	step
				40 - 47	Macro 5	step
				48 - 55	Macro 6	step
				56 - 63	Macro 7	step
				64 - 71	Macro 8	step
				72 - 79	Macro 9	step
				80 - 87	Macro 10	step
				88 - 95	Macro 11	step
				96 - 103	Macro 12	step
				104 - 111	Macro 13	step
				112 - 119	Macro 14	step
				120 - 127	Macro 15	step
				128 - 135	Macro 16	step
				136 - 143	Macro 17	step
				144 - 151	Macro 18	step
				152 - 159	Macro 19	step
				160 - 167	Macro 20	step
				168 - 175	Macro 21	step
				176 - 183	Macro 22	step
				184 - 191	Macro 23	step
				192 - 199	Macro 24	step
				200 - 207	Macro 25	step
				208 - 215	Macro 26	step
				216 - 223	Macro 27	step
				224 - 231	Macro 28	step
				232 - 239	Macro 29	step
				240 - 247	Macro 30	step
				248 - 255	Macro 31	step

Mode/Channel				Value	Function	Type of control
1	2	3	4			
26	22	14	-	0-31 Shutter closed 32-63 Shutter open 64-95 Strobe-effect from slow to fast 96-127 Shutter open 128-143 Opening pulses in sequences slow--> fast 144-159 Closing pulses in sequences fast --> slow 160-191 Shutter open 192-223 Random strobe-effects from slow to fast 224-255 Shutter open	step step proportional step proportional proportional step proportional step	
27	23	15	-	0 - 255	<b>Dimmer</b> Dimmer intensity from 0% to 100%	proportional
28	24	16	-	0 - 255	<b>Dimmer, fine</b> Fine intensity from low to high	proportional