

DMX protocol

Robin 300 Plasma Wash - DMX protocol, version 1.1						
Mode/channel			DMX Value	Function	Type of control	
1	2	3				
1	1	1		Pan		
			0 - 255	Pan movement by 540°	proportional	
2	2	*		Pan Fine		
			0 - 255	Fine control of pan movement	proportional	
3	3	2		Tilt		
			0 - 255	Tilt movement by 260°	proportional	
4	4	*		Tilt fine		
			0 - 255	Fine control of tilt movement	proportional	
5	5	3		Pan/Tilt speed , Pan/Tilt time		
			0	Max. speed (tracking mode)	step	
				<i>P./T. speed-set Speed Mode in menu: Pan/Tilt Mode</i>		
			1 - 255	Speed from max. to min. (vector mode)	proportional	
				<i>P./T. time - set Time Mode in menu: Pan/Tilt Mode</i>		
			1 - 255	Time from 0.1 s to 25.5 sec.	proportional	
6	6	4		Power/Special functions		
			0 -29	Reserved	step	
				<i>To activate following junctions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter/Strobe“ channel 17/15/13 must be at range: 0-31 DMX). Corresponding menu items are temporarily overridden).</i>		
			30-39	Lamp power reduced if "Shutter/strobe" channel=0 DMX	step	
			40-49	Full Lamp power if "Shutter/strobe" channel=0 DMX	step	
			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 - 99	Blackout while colour wheel moving	step	
			100 - 109	Disabled blackout while colour wheel moving	step	
			110 - 129	Reserved		
				<i>To activate following functions, stop in DMX value for at least 3 seconds.</i>		
			130 - 139	Lamp On,reset(total reset except pan/tilt reset)	step	
			140 - 149	Pan/Tilt reset	step	
			150 - 159	Colour system reset	step	
			160 - 169	Reserved		
			170 - 179	Dimmer/Shutter reset	step	
			180 - 189	Zoom reset	step	
			190 - 199	Reserved	step	
			200 - 209	Total reset	step	
			210 - 229	Reserved		
			230 - 239	Lamp Off	step	
			240 - 255	Reserved		
7	7	5		Colour wheel		
				<i>Continual positioning</i>		
			0	Open/white	proportional	
			16	Deep red	proportional	
			32	Deep blue	proportional	
			48	Orange	proportional	
			64	Green	proportional	

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1	2	3			
			80	Light red	proportional
			96	Amber	proportional
			112	UV filter	proportional
			128-129	White	step
				Positioning	
			130-137	Deep red	step
			138-145	Deep blue	step
			146-153	Orange	step
			154-163	Green	step
			164-171	Light red	step
			172-181	Amber	step
			182-189	UV filter	step
			190 - 215	Forwards rainbow effect from fast to slow	proportional
			216 - 217	No rotation	step
			218 - 243	Backwards rainbow effect from slow to fast	proportional
			244 - 249	Random colour selection by audio control	step
				(Set microphone sensitivity in menu „Personality“)	
			250 - 255	Auto random colour selection from fast to slow	proportional
8	*	*		Colour wheel - fine positioning	
			0 - 255	Fine positioning	proportional
9	8	6		Cyan	
			0 - 255	Cyan (0-white, 255-full cyan)	proportional
10	9	7		Magenta	
			0 - 255	Magenta (0-white, 255-full magenta)	proportional
11	10	8		Yellow	
			0 - 255	Yellow (0-white, 255-full yellow)	proportional
12	11	9		CTO filter	
			0 - 255	(0-6000K, 255-3200K)	proportional
13	12	10		CMY colour macros	
			0 - 7	No function	step
			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

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1	2	3			
			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 - 243	Macro 30	proportional
			244 - 249	Random macro selection by audio control	step
				(Set microphone sensitivity in menu "PErsonality")	
			250 - 255	Auto random macro selection from fast to slow	proportional
14	13	11		CMY & CTO Speed	
			0 - 255	Speed of flags movement from max. to min.	proportional
15	14	12		Zoom	
			0 - 255	Zoom from min. to max. beam angle	proportional
16	*	*		Zoom - fine	
			0-255	Fine zooming	proportional
17	15	13		Shutter/ strobe	
			0	Shutter closed (lamp power reduced to 20% of nomin. power)*	step
			1-31	Shutter closed (full lamp power)	step
			32 - 63	Shutter open, Full lamp power	step
			64 - 95	Strobe-effect from slow to fast	proportional
			96 - 127	Shutter open (full lamp power)	step
			128 - 143	Opening pulse in sequences from slow to fast	proportional
			144 - 159	Closing pulse in sequences from fast to slow	proportional
			160 - 191	Shutter open (full lamp power)	proportional
			192 - 223	Random strobe-effect from slow to fast	proportional
			224 - 255	Shutter open (full lamp power)	step
18	16	14		Dimmer intensity	
			0 - 255	Dimmer intensity from 0% to 100%	proportional
19	*	*		Dimmer intensity - fine	
			0 - 255	Fine dimming	proportional
<p>* To reduce the lamp power set the value of 30-39 DMX at the channel "Power/Special functions" for temporary setting of the lamp power reduction or use the icon "Lamp menu" for permanent setting of the lamp power reduction</p>					