Robin Pointe - DMX protocol, version 1.3

(For fixtures produced after 20/08/2013 or updated with a software DSU_RobinPointe_13081258.zip (DSU_RobinPointe_13081258.tar.bz2) or latter . DSU RobinPointe_YYMMDDTT.zip -->YY=year, MM=month, DD= day)

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	**2**	**3**		**Tilt**	
			0 - 255	Tilt movement by 270°	proportional
4	*****	**4**		**Tilt fine**	
			0 - 255	Fine control of tilt movement	proportional
5	**3**	**5**		**Pan/Tilt speed , Pan/Tilt time**	
			0	Standard mode	step
			1	Max. Speed Mode	step
				Pan/Tilt speed mode	
			2 - 255	Speed from max. to min.	proportional
				Pan/Tilt time mode	
			2 - 255	Time from 0.2 s to 25.5 sec.	proportional
6	**4**	**6**		**Power/Special functions**	
			0 - 9	Reserved	
				To activate following functions, stop in DMX value for at least 3 s and shutter must be closed at least 3 sec. („Shutter,Strobe" channel 22/15/27 must be at range: 0-31 DMX). Corresponding menu items are temporarily overriden except DMX Input.	
			10-14	DMX input: Wired DMX*	step
			15-19	DMX input: Wireless DMX*	step
				** Function is active only 10 seconds after switching fixture on*	
			20-24	Eco mode (Lamp power 230W)	step
			25-29	Standard mode (Lamp power 280W)	step
			30-49	Reserved	
			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 - 119	Blackout while gobo wheel moving	step
			120-129	Disabled blackout while gobo wheel moving	step
				To activate following functions, stop in DMX value for at least 3 seconds:	
			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	Gobo wheels reset	step
			170 - 179	Dimmer/Shutter	step
			180 - 189	Zoom/focus/prism reset	step
			190 - 199	Reserved	step
			200 - 209	Total reset	step
			210 - 229	Reserved	

Mode/channel			DMX Value	Function	Type of control
1	2	3			
			230 - 239	Lamp Off	step
			240 - 255	Reserved	
7	**5**	**7**		**Colour wheel**	
				Continual positioning	
			0	Open/white	proportional
			9	Deep Red	proportional
			18	Deep Blue	proportional
			27	Yellow	proportional
			37	Green	proportional
			46	Magenta	proportional
			55	Azure	proportional
			64	Red	proportional
			73	Dark green	proportional
			82	Amber	proportional
			91	Blue	proportional
			101	Orange	proportional
			110	CTO	proportional
			119	UV filter	proportional
			128-129	White	step
				Positioning	
			130-134	Deep Red	step
			135-138	Deep Blue	step
			139-143	Yellow	step
			144-147	Green	step
			148-152	Magenta	step
			153-157	Azure	step
			158-161	Red	step
			162-166	Dark green	step
			167-171	Amber	step
			172-176	Blue	step
			177-180	Orange	step
			181-185	CTO	step
			186-189	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	*****	**8**		**Colour wheel - fine positioning**	
			0 - 255	Fine positioning	proportional
9	**6**	**9**		**Effect Speed**	
			0 - 255	Speed of Rot. Gobo selection from max. to min.	proportional
*****	*****	**10**		**Frost time**	
			0	Function is off	step
			1 - 255	Time of frost movement (0.1 sec. --- >25.5 sec.)	proportional
*****	*****	**11**		**Color time**	
			0	Function is off	step

Mode/channel			DMX Value	Function	Type of control
1	2	3			
			1 - 255	Time of colour wheel movement (0.1 sec. --- >25.5 sec.)	proportional
*	*	12		**Static gobo time**	
			0	Function is off	step
			1 - 255	Time of static gobo wheel movement (0.1 sec. --- >25.5 sec.)	proportional
*	*	13		**Prism time**	
			0	Function is off	step
			1-50	Time of prism movement (0.1 sec. --- > 5 sec.)	proportional
			1 - 255	Time of prism rotation (0.1 sec. --- >25.5 sec.)	proportional
*	*	14		**Zoom time**	
			0	Function is off	step
			1 - 255	Time of zoom movement (0.1 sec. --- >25.5 sec.)	proportional
*	*	15		**Focus time**	
			0	Function is off	step
			1 - 255	Time of focus movement (0.1 sec. --- >25.5 sec.)	proportional
10	7	16		**Static gobo wheel**	
			0-3	Open/hole	step
				Positioning	
			4-9	Gobo 1	step
			10-15	Gobo 2	step
			16-21	Gobo 3	step
			22-27	Gobo 4	step
			28-33	Gobo 5	step
			34-39	Gobo 6	step
			40-45	Gobo 7	step
			46-51	Gobo 8	step
			52-57	Gobo 9	step
			58-63	Gobo 10	step
			64-69	Beam reducer 1	step
			70-75	Beam reducer 2	step
			76-81	Beam reducer 3	step
			82-87	Beam reducer 4	step
				Shaking gobos from slow to fast	
			88-95	Gobo 1	proportional
			96-103	Gobo 2	proportional
			104-111	Gobo 3	proportional
			112-119	Gobo 4	proportional
			120-127	Gobo 5	proportional
			128-135	Gobo 6	proportional
			136-143	Gobo 7	proportional
			144-151	Gobo 8	proportional
			152-159	Gobo 9	proportional
			160-167	Gobo 10	proportional
			168-175	Beam reducer 1	proportional
			176-183	Beam reducer 2	proportional
			184-191	Beam reducer 3	proportional
			192-199	Beam reducer 4	proportional
			200-201	Open/hole	step
			202 - 221	Forwards gobo wheel rotation from fast to slow	proportional
			222 - 223	No rotation	
			224 - 243	Backwards gobo wheel rotation from slow to fast	proportional

Mode/channel			DMX Value	Function	Type of control
1	2	3			
			244 - 249	Random gobo selection by audio control	step
				(Set microphone sensitivity in menu „Personality")	
			250 - 255	Auto random gobo selection from fast to slow	proportional
11	**8**	**17**		**Rotating gobo wheel**	
				In the range of 0-59 DMX the gobo selection speed is controlled by the Effect Speed channel.	
				Index - set indexing on channel 12/9/17	
			0	Open/Hole (default)	step
			1-4	Hole (flat field)	step
			5-7	Gobo 1	step
			8-10	Gobo 2	step
			11-13	Gobo 3	step
			14-16	Gobo 4	step
			17-19	Gobo 5	step
			20-22	Gobo 6	step
			23-25	Gobo 7	step
			26-28	Gobo 8	step
			29-31	Gobo 9	step
				Rotation - set rotation on channel 12/9/17	
			32-34	Gobo 1	step
			35-37	Gobo 2	step
			38-40	Gobo 3	step
			41-43	Gobo 4	step
			4-46	Gobo 5	step
			47-49	Gobo 6	step
			50-52	Gobo 7	step
			53-55	Gobo 8	step
			56-59	Gobo 9	step
				Shaking gobos from slow to fast	
				Index - set indexing on channel 12/9/17	
			60-67	Gobo 1	proportional
			68-75	Gobo 2	proportional
			76-83	Gobo 3	proportional
			84-91	Gobo 4	proportional
			92-99	Gobo 5	proportional
			100-107	Gobo 6	proportional
			108-115	Gobo 7	proportional
			116-123	Gobo 8	proportional
			124-129	Gobo 9	proportional
				Shaking gobos from slow to fast	
				Rotation - set rotation on channel 12/9/17	
			130-137	Gobo 1	proportional
			138-145	Gobo 2	proportional
			146-153	Gobo 3	proportional
			154-161	Gobo 4	proportional
			162-169	Gobo 5	proportional
			170-177	Gobo 6	proportional
			178-185	Gobo 7	proportional
			186-193	Gobo 8	proportional
			194-199	Gobo 9	proportional

Mode/channel			DMX Value	Function	Type of control
1	2	3			
			200 - 201	Open/hole	step
			202 - 221	Forwards gobo wheel rotation from fast to slow	proportional
			222 - 223	No rotation	step
			224 - 243	Backwards gobo wheel rotation from slow to fast	proportional
			244 - 249	Random gobo selection by audio control	step
				(Set microphone sensitivity in menu „Personality”)	
			250 - 255	Auto random gobo selection from fast to slow	proportional
12	**9**	**18**		**Rot. gobo indexing and rotation**	
				Gobo indexing - set position on channel 11/8/16	
			0 - 255	Gobo indexing	proportional
				Gobo rotation - set position on channel 11/8/16	
			0	No rotation	step
			1 - 127	Forwards gobo rotation from fast to slow	proportional
			128 - 129	No rotation	step
			130 - 255	Backwards gobo rotation from slow to fast	proportional
13	*****	**19**		**Rot. gobo indexing and rotation - fine**	
			0-255	Fine indexing (rotation)	proportional
14	**10**	**20**		**Prism**	
			0 - 19	Open position (hole)	step
			20 -49	6-facet linear rotating prism -indexing	step
			50 - 75	6-facet linear rotating prism- rotation	step
			76 - 105	8-facet circular rotating prism- Indexing	step
			106-127	8-facet circular rotating prism-rotation	step
				Prism/gobo macros	
			128 - 135	Macro 1	step
			136 - 143	Macro 2	step
			144 - 151	Macro 3	step
			152 - 159	Macro 4	step
			160 - 167	Macro 5	step
			168 - 175	Macro 6	step
			176 - 183	Macro 7	step
			184 - 191	Macro 8	step
			192 - 199	Macro 9	step
			200 - 207	Macro 10	step
			208 - 215	Macro 11	step
			216 - 223	Macro 12	step
			224 - 231	Macro 13	step
			232 - 239	Macro 14	step
			240 - 247	Macro 15	step
			248 - 255	Macro 16	step
15	**11**	**21**		**Prism rotation and indexing**	
				Prism indexing - set position on channel 14/10/19	
			0 - 255	Prism indexing	proportional
				Prism rotation - set position on channel 14/10/19	
			0	No rotation	step
			1 - 127	Forwards prism rotation from fast to slow	proportional
			128 - 129	No rotation	step
			130 - 255	Backwards prism rotation from slow to fast	proportional
16	**12**	**22**		**Frost**	
			0	Open	step

Mode/channel			DMX Value	Function	Type of control
1	2	3			
			1 - 179	Frost from 0% to 100%	proportional
			180 - 189	100% frost	step
			190 - 211	Pulse closing from slow to fast	proportional
			212 - 233	Pulse opening from fast to slow	proportional
			234 - 255	Ramping from fast to slow	proportional
17	**13**	**23**		**Zoom**	
			0 - 255	Zoom from max. to min.beam angle	proportional
18	*****	**24**		**Zoom - fine**	
			0-255	Fine zooming	proportional
19	**14**	**25**		**Focus**	
			0 - 255	Continuous adjustment from far to near	proportional
20	*****	**26**		**Focus - fine**	
			0- 255	Fine focusing	proportional
21	*****	**27**		**Autofocus (priority & distance selection)**	
				Select desired distance and effect on which you need to focus and use "Focus" channel (19/14/25) to focus the image.	
			0	Autofocus Off	step
				Rotating gobos & Hole (flat field)	
			1	10 metres	proportional
			8	15 metres	proportional
			16	20 metres	proportional
			24	25 metres	proportional
			32	30 metres	proportional
			40	35 metres	proportional
			48	40 metres	proportional
			56	45 metres	proportional
				Static gobos & Hole (default)	
			64	10 metres	proportional
			72	20 metres	proportional
			80	30 metres	proportional
			88	40 metres	proportional
			96	50 metres	proportional
			104	60 metres	proportional
			112	70 metres	proportional
			120	80 metres	proportional
			127	Infinity	proportional
			128-255	Reserved	
22	**15**	**28**		**Shutter/ strobe**	
			0 - 31	Shutter closed (Lamp power reduced to 230 W)	step
			32 - 63	Shutter open, Full lamp power	step
			64 - 95	Strobe-effect from slow to fast	proportional
			96 - 127	Shutter open	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	step
			192 - 223	Random strobe-effect from slow to fast	proportional
			224 - 255	Shutter open, Full lamp power	step
23	**16**	**29**		**Dimmer intensity**	
			0 - 255	Dimmer intensity from 0% to 100%	proportional
24	*****	**30**		**Dimmer intensity - fine**	

Mode/channel			DMX Value	Function	Type of control
1	2	3			
			0 - 255	Fine dimming	proportional

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