Robin MiniPointe - DMX protocol, version 1.0

Mode/channel			DMX Value	Function	Type of control
Mode 1 Standard 16 bit	Mode 2 Reduced 8 bit	Mode 3 Extended 16 bit			
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 - 49	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 20/16/25 must be at range: 0-31 DMX). Corresponding menu items are temporarily overriden except DMX Input.	
			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	step
			140 - 149	Pan/Tilt reset	step
			150 - 159	Colour wheel reset	step
			160 - 169	Static gobo wheel reset	step
			170 - 179	Dimmer/Shutter	step
			180 - 189	Focus/Prisms reset	step
			190 - 199	Reserved	step
			200 - 209	Total reset	step
			210 - 229	Reserved	
			230 - 239	Lamp Off	step
			240 - 255	Reserved	
7	**5**	**7**		**Colour wheel**	
				Continual positioning	

Mode/channel			DMX Value	Function	Type of control
Mode 1 Standard 16 bit	Mode 2 Reduced 8 bit	Mode 3 Extended 16 bit			
			0	Open/white	proportional
			9	Deep Red	proportional
			18	Deep Blue	proportional
			27	Yellow	proportional
			37	Light green	proportional
			46	Magenta	proportional
			55	Lavender	proportional
			64	Pink	proportional
			73	Dark green	proportional
			82	CTO 2700K	proportional
			91	Blue	proportional
			101	Orange	proportional
			110	CTO 3200K	proportional
			119	UV (Kongo blue)	proportional
			128-129	White	step
				Positioning	
			130-134	Deep Red	step
			135-138	Deep Blue	step
			139-143	Yellow	step
			144-147	Light green	step
			148-152	Magenta	step
			153-157	Lavender	step
			158-161	Pink	step
			162-166	Dark green	step
			167-171	CTO 2700K	step
			172-176	Blue	step
			177-180	Orange	step
			181-185	CTO 3200K	step
			186-189	UV (Kongo blue)	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**		**Frost time**	
			0	Function is off	step
			1 - 255	Time of frost movement (0.1 sec. --- >25.5 sec.)	proportional
*	*	**10**		**Color time**	
			0	Function is off	step
			1 - 255	Time of colour wheel movement (0.1 sec. --- >25.5 sec.)	proportional
*	*	**11**		**Static gobo time**	
			0	Function is off	step
			1 - 255	Time of static gobo wheel movement (0.1 sec. --- >25.5 sec.)	proportional

Mode/channel			DMX Value	Function	Type of control
Mode 1 Standard 16 bit	Mode 2 Reduced 8 bit	Mode 3 Extended 16 bit			
*	*	12		**Prism 14.6°and Prism 16° 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
*	*	13		**Focus time**	
			0	Function is off	step
			1 - 255	Time of focus movement (0.1 sec. --- >25.5 sec.)	proportional
9	6	14		**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	Open/hole	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
			192-201	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
			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
10	7	15		**Prism 14.6°**	
			0 - 19	Open position (hole)	step

Mode/channel			DMX Value	Function	Type of control
Mode 1 Standard 16 bit	Mode 2 Reduced 8 bit	Mode 3 Extended 16 bit			
			20 -127	Prism indexing	step
			128 - 255	Prism rotation	step
11	**8**	**16**		**Prism 14.6° rotation and indexing**	
				Prism indexing - set position on channel 10/7/15	
			0 - 255	Prism indexing	proportional
				Prism rotation - set position on channel 10/7/15	
			0	No rotation	step
			1 - 127	Forwards rotation from fast to slow	proportional
			128	No rotation - default	step
			129-255	Backwards rotation from slow to fast	proportional
12	**9**	**17**		**Prism 16°**	
			0 - 19	Open position (hole)	step
			20 -127	Prism indexing	step
			128 - 255	Prism rotation	step
13	**10**	**18**		**Prism 16° rotation and indexing**	
				Prism indexing - set position on channel 12/9/17	
			0 - 255	Prism indexing	proportional
				Prism rotation - set position on channel 12/9/17	
			0	No rotation	step
			1 - 127	Forwards rotation from fast to slow	proportional
			128	No rotation - default	step
			129-255	Backwards rotation from slow to fast	proportional
14	**11**	**19**		**DFE - Shape/Effect selection**	
				Static Shapes Index - set indexing on channel 15/12/20	
			0-7	No function	step
			8-11	Shape 1	step
			12-15	Shape 2	step
			16-19	Shape 3	step
			20-23	Shape 4	step
			24-27	Shape 5	step
			28-31	Shape 6	step
			32-35	Shape 7	step
			36-39	Shape 8	step
			40-43	Shape 9	step
			44-47	Shape 10	step
			48-51	Shape 11	step
				Static Shapes rotation - set rotation on channel 15/12/20	
			52-55	Shape 1	step
			56-59	Shape 2	step
			60-63	Shape 3	step
			64-67	Shape 4	step
			68-71	Shape 5	step
			72-75	Shape 6	step
			76-79	Shape 7	step
			80-83	Shape 8	step
			84-87	Shape 9	step
			88-91	Shape 10	step

Mode/channel			DMX Value	Function	Type of control
Mode 1 Standard 16 bit	Mode 2 Reduced 8 bit	Mode 3 Extended 16 bit			
			92-95	Shape 11	step
				Dynamic flower effects	
			96-99	Effect 1	step
			100-103	Effect 2	step
			104-107	Effect 3	step
			108-111	Effect 4	step
			112-115	Effect 5	step
			116-119	Effect 6	step
			120-123	Effect 7	step
			124-127	Effect 8	step
			128-131	Effect 9	step
			132-255	Reseved	
15	**12**	**20**		**DFE & Beam shaper Indexing and rotation control**	
				DFE indexing - set position on channel 14/11/19	
				Beam shaper indexing - set position on channel 16/13/21	
			0 - 255	DFE indexing	proportional
				DFE rotation - set position on channel 10/7/15	
				Beam shaper rotation - set position on channel 16/13/21	
			0	No rotation	step
			1 - 127	Forwards rotation from fast to slow	proportional
			128	No rotation - default	step
			129-255	Backwards rotation from slow to fast	proportional
16	**13**	**21**		**Beam shaper selection***	
				Static Shapers Index - set indexing on channel 15/12/20	
			0-7	No function	step
			8-11	Shaper 1	step
			12-15	Shaper 2	step
			16-19	Shaper 3	step
			20-23	Shaper 4	step
			24-27	Shaper 5	step
			28-31	Shaper 6	step
			32-35	Shaper 7	step
			36-39	Shaper 8	step
			40-43	Shaper 9	step
			44-47	Shaper 10	step
			48-51	Shaper 11	step
				Static Shapers rotation - set rotation on channel 15/12/20	
			52-55	Shaper 1	step
			56-59	Shaper 2	step
			60-63	Shaper 3	step
			64-67	Shaper 4	step
			68-71	Shaper 5	step
			72-75	Shaper 6	step
			76-79	Shaper 7	step
			80-83	Shaper 8	step
			84-87	Shaper 9	step
			88-91	Shaper 10	step

Mode/channel			DMX Value	Function	Type of control
Mode 1 Standard 16 bit	Mode 2 Reduced 8 bit	Mode 3 Extended 16 bit			
			92-95	Shaper 11	step
				Dynamic shapers	
			96-99	Effect 1	step
			100-103	Effect 2	step
			104-107	Effect 3	step
			108-111	Effect 4	step
			112-115	Effect 5	step
			116-119	Effect 6	step
			120-123	Effect 7	step
			124-127	Effect 8	step
			128-131	Effect 9	step
			132-255	Reseved	
				* Static gobo wheel and frost is blocked If DMX value > 7	
17	**14**	**22**		**Frost**	
			0	Open	step
			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
18	**15**	**23**		**Focus**	
			0 - 255	Continuous adjustment from far to near	proportional
19	*****	**24**		**Focus - fine**	
			0- 255	Fine focusing	proportional
20	**16**	**25**		**Shutter/ strobe**	
			0 - 31	Shutter closed	step
			32 - 63	Shutter open	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	step
21	**17**	**26**		**Dimmer intensity**	
			0 - 255	Dimmer intensity from 0% to 100%	proportional
22	*****	**27**		**Dimmer intensity - fine**	
			0 - 255	Fine dimming	proportional
Note: the Beam Shaper channel has priority to the DFE-Shape/Effect selection channel and					
both channels have priority to Prisms channels					
All Specifications subject to change without notice					