Robin Cyclone - DMX chart

Version 1.1

Mode/Channel			Value	Function	Type of control
1	2	3			
1	1	1	0-255	**Pan (8 bit)** Pan movement by 450°	proportional
-	2	2	0-255	**Pan Fine (16 bit)** Fine control of pan movement	proportional
2	3	3	0-255	**Tilt (8bit)** Tilt movement by 300°	proportional
-	4	4	0-255	**Tilt fine (16 bit)** Fine control of tilt movement	proportional
3	5	5	0 1 2 - 255 2 - 255	**Pan/Tilt speed, Pan/Tilt time** Standard Mode Max. Speed mode ***Pan/Tilt speed*** Speed from max. to min. ***Pan/Tilt time*** Time from 0.2 s to 25.5 s.	step proportional proportional
4	6	6	0 - 9 10 - 14 15 - 19 20 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 139 140 - 149 150 - 179 180 - 189 190 - 199 200 - 209 210 - 255	**Special functions** Reserved *To activate following functions , stop in DMX value for at least 3sec. and shutter must be closed at least 3sec. (Shutter channel 15/22 must be at range of 0-31DMX). Corresponding menu items are temporily overrided except DMX Input.* DMX input: Wired DMX * DMX input: Wireless DMX* * function is active only10 seconds after switching the fixture on Reserved Pan/Tilt speed mode Pan/Tilt time mode Blackout while pan/tilt moving Disabled blackout while pan/tilt moving Reserved *To activate following reset function, stop in DMX value for at least 3 sec.* Pan/Tilt reset Reserved Zoom reset Reserved Total reset Reserved	 step step step step step step step step step
5	7	7	0 1-255	**Fan speed** Rotation=off Fan speed min.->max..	step proportional
6	8	8	0-255	**Red (8 bit) - all pixels** Red LEDs saturation control (0-100%)	proportional
-	9	9	0-255	**Red fine(16 bit) - all pixels** Fine red LEDs saturation control	proportional
7	10	10	0-255	**Green (8 bit) - all pixels** Green LEDs saturation control (0-100%)	proportional
-	11	11	0-255	**Green fine (16 bit) - all pixels** Fine green LEDs saturation control	proportional
8	12	12	0-255	**Blue (8 bit) - all pixels** Blue LEDs saturation control (0-100%)	proportional
-	13	13	0-255	**Blue fine (16 bit) - all pixels** Fine blue LEDs saturation control	proportional

Mode/Channel			Value	Function	Type of control
1	2	3			
9	14	14		**White (8 bit) - all pixels**	
			0-255	White LEDs saturation control (0-100%)	proportional
-	15	15		**White fine (16 bit) - pixels**	
			0-255	Fine white LEDs saturation control	proportional
10	16	16	0	**CTO** No function	step
			1-255	Colour temperature correction from 15500K to 2700K	proportional
11	17	17		**Virtual Colour Wheel** For detailed description see " Virtual colour wheel- colour mixing chart	
			0	No function	step
			1-2	White 2700 K	step
			3	White 2700 K (tungsten emulation**)	step
			4-5	White 3200 K	step
			6	White 3200 K (tungsten emulation**)	step
			7-9	White 4200 K	step
			10-12	White 5600 K	step
			13-15	White 8000 K	step
			16	Blue (Blue=full, Red+Green+White=0)	step
			17-55	Red=0, Green->up,Blue =full, White=0	proportional
			56	Light Blue (Red=0, Green=full, Blue =full, White=0)	step
			57 - 95	Red=0, Green=full, Blue->down, White=0	proportional
			96	Green (Red=0, Green=full, Blue =0, White=0)	step
			97 – 134	Red->up, Green=full, Blue=0, White=0	proportional
			135	Yellow (Red=full, Green=full, Blue=0, White=0)	step
			136 - 174	Red=full, Green->down, Blue=0, White=0	proportional
			175	Red(Red=full, Green=0, Blue=0, White=0)	step
			176 -214	Red=full, Green=0, Blue->up, White=0	proportional
			215	Magenta (Red=full, Green=0, Blue=full, White=0)	step
			216 - 246	Red -> down, Green=0, Blue=full, White=0	proportional
			247	Blue (Red=0, Green=0, Blue=full, White=0)	step
			248-251	Rainbow effect(with fade time) from min.->max. speed	proportional
			252-255	Rainbow effect (without fade time) from min.->max.	proportional
12	18	18		**Pixel effects** *See table below*	
13	19	19	0-63	**Pixel effects speed** Speed from min. —>max. without fade time	proportional
			64-127	Speed from max. —>min. without fade time (op. direc.)	proportional
			128-191	Speed from min. —>max. with fade time	proportional
			192-255	Speed from max. —>min. with fade time (op. direc.)	proportional
14	20	20		**Zoom (8 bit)**	proportional
			0 - 255	Zoom from min. to max. beam angle	proportional
-	21	21		**Zoom fine (16 bit)**	
			0 - 255	Fine zooming from min. to max.	proportional
15	22	22		**Shutter/Strobe**	
			0-31	Shutter closed	step
			32-63	Shutter open	step
			64-95	Strobe effect from slow--> fast	proportional
			96-127	Shutter open	step
			128-143	Opening pulses in sequences from slow--> fast	proportional
			144-159	Closing pulses in sequences from fast--> slow	proportional
			160-191	Shutter open	step
			192-223	Random strobe effect from slow--> fast	proportional
			224-255	Shutter open	step

Mode/Channel			Value	Function	Type of control
1	2	3			
16	23	23	0-255	**Dimmer (8 bit)** Dimmer intensity from 0% to 100%	proportional
-	24	24	0-255	**Dimmer fine (16 bit)** Fine dimming	proportional
-	-	25	0-255	**Red pixel 1** Red LEDs saturation control (0-100%)	proportional
-	-	26	0-255	**Green pixel 1** Green LEDs saturation control (0-100%)	proportional
-	-	27	0-255	**Blue pixel 1** Blue LEDs saturation control (0-100%)	proportional
-	-	28	0-255	**Red pixel 2** Red LEDs saturation control (0-100%)	proportional
-	-	29	0-255	**Green pixel 2** Green LEDs saturation control (0-100%)	proportional
-	-	30	0-255	**Blue pixel 2** Blue LEDs saturation control (0-100%)	proportional
-	-	31	0-255	**Red pixel 3** Red LEDs saturation control (0-100%)	proportional
-	-	32	0-255	**Green pixel 3** Green LEDs saturation control (0-100%)	proportional
-	-	33	0-255	**Blue pixel 3** Blue LEDs saturation control (0-100%)	proportional
-	-	34	0-255	**Red pixel 4** Red LEDs saturation control (0-100%)	proportional
-	-	35	0-255	**Green pixel 4** Green LEDs saturation control (0-100%)	proportional
-	-	36	0-255	**Blue pixel 4** Blue LEDs saturation control (0-100%)	proportional
-	-	37	0-255	**Red pixel 5** Red LEDs saturation control (0-100%)	proportional
-	-	38	0-255	**Green pixel 5** Green LEDs saturation control (0-100%)	proportional
-	-	39	0-255	**Blue pixel 5** Blue LEDs saturation control (0-100%)	proportional
-	-	40	0-255	**Red pixel 6** Red LEDs saturation control (0-100%)	proportional
-	-	41	0-255	**Green pixel 6** Green LEDs saturation control (0-100%)	proportional
-	-	42	0-255	**Blue pixel 6** Blue LEDs saturation control (0-100%)	proportional
-	-	43	0-255	**Red pixel 7** Red LEDs saturation control (0-100%)	proportional
-	-	44	0-255	**Green pixel 7** Green LEDs saturation control (0-100%)	proportional
-	-	45	0-255	**Blue pixel 7** Blue LEDs saturation control (0-100%)	proportional
-	-	46	0-255	**Red pixel 8** Red LEDs saturation control (0-100%)	proportional
-	-	47	0-255	**Green pixel 8** Green LEDs saturation control (0-100%)	proportional
-	-	48	0-255	**Blue pixel 8** Blue LEDs saturation control (0-100%)	proportional

Mode/Channel			Value	Function	Type of control
1	2	3			
-	-	49	0-255	**Red pixel 9** Red LEDs saturation control (0-100%)	proportional
-	-	50	0-255	**Green pixel 9** Green LEDs saturation control (0-100%)	proportional
-	-	51	0-255	**Blue pixel 9** Blue LEDs saturation control (0-100%)	proportional
-	-	52	0-255	**Red pixel 10** Red LEDs saturation control (0-100%)	proportional
-	-	53	0-255	**Green pixel 10** Green LEDs saturation control (0-100%)	proportional
-	-	54	0-255	**Blue pixel 10** Blue LEDs saturation control (0-100%)	proportional
-	-	55	0-255	**Red pixel 11** Red LEDs saturation control (0-100%)	proportional
-	-	56	0-255	**Green pixel 11** Green LEDs saturation control (0-100%)	proportional
-	-	57	0-255	**Blue pixel 11** Blue LEDs saturation control (0-100%)	proportional
-	-	58	0-255	**Red pixel 12** Red LEDs saturation control (0-100%)	proportional
-	-	59	0-255	**Green pixel 12** Green LEDs saturation control (0-100%)	proportional
-	-	60	0-255	**Blue pixel 12** Blue LEDs saturation control (0-100%)	proportional
-	-	61	0-255	**Red pixel 13** Red LEDs saturation control (0-100%)	proportional
-	-	62	0-255	**Green pixel 13** Green LEDs saturation control (0-100%)	proportional
-	-	63	0-255	**Blue pixel 13** Blue LEDs saturation control (0-100%)	proportional
-	-	64	0-255	**Red pixel 14** Red LEDs saturation control (0-100%)	proportional
-	-	65	0-255	**Green pixel 14** Green LEDs saturation control (0-100%)	proportional
-	-	66	0-255	**Blue pixel 14** Blue LEDs saturation control (0-100%)	proportional
-	-	67	0-255	**Red pixel 15** Red LEDs saturation control (0-100%)	proportional
-	-	68	0-255	**Green pixel 15** Green LEDs saturation control (0-100%)	proportional
-	-	69	0-255	**Blue pixel 15** Blue LEDs saturation control (0-100%)	proportional
-	-	70	0-255	**Red pixel 16** Red LEDs saturation control (0-100%)	proportional
-	-	71	0-255	**Green pixel 16** Green LEDs saturation control (0-100%)	proportional
-	-	72	0-255	**Blue pixel 16** Blue LEDs saturation control (0-100%)	proportional
-	-	**73**	0-255	**Red pixel 17** Red LEDs saturation control (0-100%)	proportional
-	-	**74**	0-255	**Green pixel 17** Green LEDs saturation control (0-100%)	proportional

Mode/Channel			Value	Function	Type of control
1	2	3			
-	-	75	0-255	**Blue pixel 17** Blue LEDs saturation control (0-100%)	proportional
-	-	76	0-255	**Red pixel 18** Red LEDs saturation control (0-100%)	proportional
-	-	77	0-255	**Green pixel 18** Green LEDs saturation control (0-100%)	proportional
-	-	78	0-255	**Blue pixel 18** Blue LEDs saturation control (0-100%)	proportional
-	-	79	0-255	**Red pixel 19** Red LEDs saturation control (0-100%)	proportional
-	-	80	0-255	**Green pixel 19** Green LEDs saturation control (0-100%)	proportional
-	-	81	0-255	**Blue pixel 19** Blue LEDs saturation control (0-100%)	proportional
-	-	82	0-255	**Red pixel 20** Red LEDs saturation control (0-100%)	proportional
-	-	83	0-255	**Green pixel 20** Green LEDs saturation control (0-100%)	proportional
-	-	84	0-255	**Blue pixel 20** Blue LEDs saturation control (0-100%)	proportional
-	-	85	0-255	**Red pixel 21** Red LEDs saturation control (0-100%)	proportional
-	-	86	0-255	**Green pixel 21** Green LEDs saturation control (0-100%)	proportional
-	-	87	0-255	**Blue pixel 21** Blue LEDs saturation control (0-100%)	proportional
-	-	88	0-255	**Red pixel 22** Red LEDs saturation control (0-100%)	proportional
-	-	89	0-255	**Green pixel 22** Green LEDs saturation control (0-100%)	proportional
-	-	90	0-255	**Blue pixel 22** Blue LEDs saturation control (0-100%)	proportional
-	-	91	0-255	**Red pixel 23** Red LEDs saturation control (0-100%)	proportional
-	-	92	0-255	**Green pixel 23** Green LEDs saturation control (0-100%)	proportional
-	-	93	0-255	**Blue pixel 23** Blue LEDs saturation control (0-100%)	proportional
-	-	94	0-255	**Red pixel 24** Red LEDs saturation control (0-100%)	proportional
-	-	95	0-255	**Green pixel 24** Green LEDs saturation control (0-100%)	proportional
-	-	96	0-255	**Blue pixel 24** Blue LEDs saturation control (0-100%)	proportional

**In the Halogen lamp mode the Dimmer channel imitates behaviour of the halogen lamp during dimming.

Channel "Pixel effects"

DMX value	Effect	Type of control
0-2	No function	Step
3-4	Effect 1	Step
5-6	Effect 2	Step
7-8	Effect 3	Step
9-10	Effect 4	Step
11-12	Effect 5	Step
13-14	Effect 6	Step
15-16	Effect 7	Step
17-18	Effect 8	Step
19-20	Effect 9	Step
21-22	Effect 10	Step
23-24	Effect 11	Step
25-26	Effect 12	Step
27-28	Effect 13	Step
29-30	Effect 14	Step
31-32	Effect 15	Step
33-34	Effect 16	Step
35-36	Effect 17	Step
37-38	Effect 18	Step
39-40	Effect 19	Step
41-42	Effect 20	Step
43-44	Effect 21	Step
45-46	Effect 22	Step
47-48	Effect 23	Step
49-50	Effect 24	Step
51-52	Effect 25	Step
53-54	Effect 26	Step
55-56	Effect 27	Step
57-58	Effect 28	Step
59-60	Effect 29	Step
61-62	Effect 30	Step
63-64	Effect 31	Step
65-66	Effect 32	Step
67-68	Effect 33	Step
69-70	Effect 34	Step
71-72	Effect 35	Step
73-74	Effect 36	Step
75-76	Effect 37	Step
77-78	Effect 38	Step
79-80	Effect 39	Step
81-82	Effect 40	Step
83-84	Effect 41	Step
85-86	Effect 42	Step
87-88	Effect 43	Step
89-90	Effect 44	Step
91-92	Effect 45	Step
93-94	Effect 46	Step

Channel "Pixel effects"

DMX value	Effect	Type of control
95-96	Effect 47	Step
97-98	Effect 48	Step
99-100	Effect 49	Step
101-102	Effect 50	Step
103-104	Effect 51	Step
105-106	Effect 52	Step
107-108	Effect 53	Step
109-110	Effect 54	Step
111-112	Effect 55	Step
113-114	Effect 56	Step
115-116	Effect 57	Step
117-118	Effect 58	Step
119-120	Effect 59	Step
121-122	Effect 60	Step
123-124	Effect 61	Step
125-126	Effect 62	Step
127-128	Effect 63	Step
129-130	Effect 64	Step
131-132	Effect 65	Step
133-134	Effect 66	Step
135-136	Effect 67	Step
137-138	Effect 68	Step
139-140	Effect 69	Step
141-142	Effect 70	Step
143-144	Effect 71	Step
145-146	Effect 72	Step
147-148	Effect 73	Step
149-150	Effect 74	Step
151-152	Effect 75	Step
153-154	Effect 76	Step
155-156	Effect 77	Step
157-158	Effect 78	Step
159-160	Effect 79	Step
161-162	Effect 80	Step
163-164	Effect 81	Step
165-166	Effect 82	Step
167-168	Effect 83	Step
169-170	Effect 84	Step
171-172	Effect 85	Step
173-174	Effect 86	Step
175-176	Effect 87	Step
177-178	Effect 88	Step
179-255	Reserved	

	Virtual colour wheel				
Scale*	Virtual Colour Wheel	Red	Green	Blue	White
	DMX	DMX	DMX	DMX	DMX
	1-2 (White 2700K)	255	119	0	57
	3 (White 2700K /Hal.mode/)	255	119	0	57
	4-5 (White 3200K)	255	128	0	100
	6 (White 3200K /Hal.mode/)	255	128	0	100
	7-9 (White 4200K)	255	143	4	218
	10-12 (White 5600K)	255	206	31	255
	13-15 (White 8000K)	217	255	71	255
	16	0	0	255	0
	17	0	3	255	0
	18	0	6	255	0
	19	0	9	255	0
	20	0	12	255	0
	21	0	15	255	0
	22	0	18	255	0
	23	0	21	255	0
	24	0	24	255	0
	25	0	27	255	0
	26	0	30	255	0
	27	0	36	255	0
	28	0	41	255	0
	29	0	46	255	0
	30	0	52	255	0
	31	0	58	255	0
	32	0	64	255	0
	33	0	68	255	0
	34	0	74	255	0
	35	0	80	255	0
	36	0	86	255	0
	37	0	92	255	0
	38	0	98	255	0
	39	0	104	255	0
	40	0	110	255	0
	41	0	119	255	0
	42	0	129	255	0
	43	0	138	255	0
	44	0	147	255	0
	45	0	156	255	0
	46	0	165	255	0
	47	0	174	255	0
	48	0	183	255	0
	49	0	192	255	0
	50	0	201	255	0
	51	0	210	255	0
	52	0	219	255	0
	53	0	228	255	0
	54	0	237	255	0
	55	0	246	255	0
	56	0	255	255	0
	57	0	255	246	0
	58	0	255	237	0
	59	0	255	228	0
	60	0	255	219	0
	61	0	255	210	0
	62	0	255	201	0
	63	0	255	192	0

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Scale*	Virtual Colour Wheel	Red	Green	Blue	White
	DMX	DMX	DMX	DMX	DMX
	64	0	255	183	0
	65	0	255	174	0
	66	0	255	165	0
	67	0	255	156	0
	68	0	255	147	0
	69	0	255	138	0
	70	0	255	129	0
	71	0	255	119	0
	72	0	255	110	0
	73	0	255	104	0
	74	0	255	98	0
	75	0	255	92	0
	76	0	255	86	0
	77	0	255	80	0
	78	0	255	74	0
	79	0	255	68	0
	80	0	255	64	0
	81	0	255	58	0
	82	0	255	52	0
	83	0	255	46	0
	84	0	255	41	0
	82	0	255	36	0
	86	0	255	30	0
	87	0	255	27	0
	88	0	255	24	0
	89	0	255	21	0
	90	0	255	18	0
	91	0	255	15	0
	92	0	255	12	0
	93	0	255	9	0
	94	0	255	6	0
	95	0	255	3	0
	96	0	255	0	0
	97	3	255	0	0
	98	6	255	0	0
	99	9	255	0	0
	100	12	255	0	0
	101	15	255	0	0
	102	18	255	0	0
	103	21	255	0	0
	104	24	255	0	0
	105	27	255	0	0
	106	30	255	0	0
	107	36	255	0	0
	108	41	255	0	0
	109	46	255	0	0
	110	52	255	0	0
	111	58	255	0	0
	112	64	255	0	0
	113	68	255	0	0
	114	74	255	0	0
	115	80	255	0	0
	116	86	255	0	0
	117	92	255	0	0
	118	98	255	0	0

Scale*	Virtual Colour Wheel	Red	Green	Blue	White
	DMX	DMX	DMX	DMX	DMX
	119	104	255	0	0
	120	110	255	0	0
	121	119	255	0	0
	122	129	255	0	0
	123	138	255	0	0
	124	147	255	0	0
	125	156	255	0	0
	126	165	255	0	0
	127	174	255	0	0
	128	183	255	0	0
	129	192	255	0	0
	130	201	255	0	0
	131	210	255	0	0
	132	219	255	0	0
	133	228	255	0	0
	134	240	255	0	0
	135	255	255	0	0
	136	255	246	0	0
	137	255	237	0	0
	138	255	228	0	0
	139	255	219	0	0
	140	255	210	0	0
	141	255	201	0	0
	142	255	192	0	0
	143	255	183	0	0
	144	255	174	0	0
	145	255	165	0	0
	146	255	156	0	0
	147	255	147	0	0
	148	255	138	0	0
	149	255	129	0	0
	150	255	119	0	0
	151	255	110	0	0
	152	255	104	0	0
	153	255	98	0	0
	154	255	92	0	0
	155	255	86	0	0
	156	255	80	0	0
	157	255	74	0	0
	158	255	68	0	0
	159	255	64	0	0
	160	255	58	0	0
	161	255	52	0	0
	162	255	46	0	0
	163	255	41	0	0
	164	255	36	0	0
	165	255	30	0	0
	166	255	27	0	0
	167	255	24	0	0
	168	255	21	0	0
	169	255	18	0	0
	170	255	15	0	0
	171	255	12	0	0
	172	255	9	0	0
	173	255	6	0	0

Scale*	Virtual Colour Wheel	Red	Green	Blue	White
	DMX	DMX	DMX	DMX	DMX
	174	255	3	0	0
	175	255	0	0	0
	176	255	0	3	0
	177	255	0	6	0
	178	255	0	9	0
	179	255	0	12	0
	180	255	0	15	0
	181	255	0	18	0
	182	255	0	21	0
	183	255	0	24	0
	184	255	0	27	0
	185	255	0	30	0
	186	255	0	36	0
	187	255	0	41	0
	188	255	0	46	0
	189	255	0	52	0
	190	255	0	58	0
	191	255	0	64	0
	192	255	0	68	0
	193	255	0	74	0
	194	255	0	80	0
	195	255	0	86	0
	196	255	0	92	0
	197	255	0	98	0
	198	255	0	104	0
	199	255	0	110	0
	200	255	0	119	0
	201	255	0	129	0
	202	255	0	138	0
	203	255	0	147	0
	204	255	0	156	0
	205	255	0	165	0
	206	255	0	174	0
	207	255	0	183	0
	208	255	0	192	0
	209	255	0	201	0
	210	255	0	210	0
	211	255	0	219	0
	212	255	0	228	0
	213	255	0	237	0
	214	255	0	246	0
	215	255	0	255	0
	216	246	0	255	0
	217	237	0	255	0
	218	228	0	255	0
	219	219	0	255	0
	220	210	0	255	0
	221	201	0	255	0
	222	192	0	255	0
	223	183	0	255	0
	224	174	0	255	0
	225	165	0	255	0
	226	156	0	255	0
	227	147	0	255	0
	228	138	0	255	0

Scale*	Virtual Colour Wheel	Red	Green	Blue	White
	DMX	DMX	DMX	DMX	DMX
	229	129	0	255	0
	230	119	0	255	0
	231	110	0	255	0
	232	104	0	255	0
	233	98	0	255	0
	234	91	0	255	0
	235	84	0	255	0
	236	77	0	255	0
	237	70	0	255	0
	238	63	0	255	0
	239	56	0	255	0
	240	49	0	255	0
	241	42	0	255	0
	242	35	0	255	0
	243	28	0	255	0
	244	21	0	255	0
	245	14	0	255	0
	246	7	0	255	0
	247	0	0	255	0
	248-255 (Rainbow+ zone effects)	****	****	****	****
* Colour scale as an illustration only					