

## Robin 1200 LEDWash - DMX chart

Version 1.2

Mode/Channel						Value	Function	Type of control
1	2	3	4	5	6			
1	1	1	1	1	1	0-255	<b>Pan (8 bit)</b> Pan movement by 450°	proportional
2	2	2	2	2	2	0-255	<b>Pan Fine (16 bit)</b> Fine control of pan movement	proportional
3	3	3	3	3	3	0-255	<b>Tilt (8bit)</b> Tilt movement by 300°	proportional
4	4	4	4	4	4	0-255	<b>Tilt fine (16 bit)</b> Fine control of tilt movement	proportional
5	5	5	5	5	5	0	<b>Pan/Tilt speed, Pan/Tilt time</b> Max. speed (tracking mode)	step
						1 - 255	<b><i>P./T. speed-set Speed Mode in menu: P./T. Mode</i></b> Speed from max. to min. (vector mode)	proportional
						1 - 255	<b><i>P./T. time - set Time Mode in menu: Pan/Tilt Mode</i></b> Time from 0.1 s to 25.5 s.	proportional
6	6	6	6	6	6	0 - 30	<b>Special functions</b> Reserved <i>To activate following functions , stop in DMX value for at least 3sec. and shutter must be closed at least 3sec. (Shutter channel must be at range of 0-31DMX). Corresponding menu items are temporarily overridden.</i>	
						30-39	RGBW colour mixing mode	step
						40-49	CMY colour mixing mode	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	Theatre mode On	step
						100-109	Theatre mode Off	step
						110-139	Reserved <i>To activate following reset function, stop in DMX value for at least 3 sec.</i>	
						140 - 149	Pan/Tilt reset	step
						150 - 179	Reserved	
						180 - 189	Zoom reset	step
190 - 199	Reserved							
200 - 209	Total reset	step						
210 - 255	Reserved							
<p><i>The following colour channels will behave accordingly what colour mixing mode (RGB or CMY) is selected at channel "Special Functions". RGBW mode is default.</i></p>								
-	7	7	-	-	-	0-255	<b>Red/Cyan (8 bit) - all zones</b> Red or cyan colour saturation control (0-100%)	proportional
-	8	-	-	-	-	0-255	<b>Red/Cyan fine(16 bit) - all zones</b> Fine red or cyan colour saturation control	proportional
-	9	8	-	-	-	0-255	<b>Green/Magenta (8 bit) - all zones</b> Green or magenta colour saturat. control (0-100%)	proportional
-	10	-	-	-	-	0-255	<b>Green/Magenta (16 bit) - all zones</b> Fine green or magenta colour saturation control	proportional
-	11	9	-	-	-	0-255	<b>Blue/Yellow (8 bit) - all zones</b> Blue or yellow colour saturation control (0-100%)	proportional
-	12	-	-	-	-	0-255	<b>Blue/Yellow (16 bit) - all zones</b> Fine blue or yellow colour saturation control	proportional

Mode/Channel						Value	Function	Type of control
1	2	3	4	5	6			
-	13	10	-	-	-	0-255	<b>White (8 bit) - all zones</b> <i>RGBW mode is selected:</i> White colour saturation control coarse (0-100%) <i>CMY mode is selected:</i> No function	proportional
-	14	-	-	-	-	0-255	<b>White (16 bit) - all zones</b> Fine white colour saturation control (RGBW mode)	proportional
7	-	-	-	14	7	0-255	<b>Red/Cyan(8 bit) - zone 1</b> Red or cyan colour saturation control (0-100%)	proportional
8	-	-	-	15	8	0-255	<b>Red/Cyan (16 bit) - zone 1</b> Fine red or cyan colour saturation control	proportional
9	-	-	-	16	9	0-255	<b>Green/Magenta (8 bit) - zone 1</b> Green or magenta colour saturat. control (0-100%)	proportional
10	-	-	-	17	10	0-255	<b>Green/Magenta (16 bit) - zone 1</b> Fine green or magenta colour saturation control	proportional
11	-	-	-	18	11	0-255	<b>Blue/Yellow (8 bit) zone 1</b> Blue or yellow colour saturation control (0-100%)	proportional
12	-	-	-	19	12	0-255	<b>Blue/Yellow (16 bit) zone 1</b> Fine blue or yellow colour saturation control	proportional
13	-	-	-	20	13	0-255	<b>White (8 bit) - zone 1</b> <i>RGBW mode is selected:</i> White colour saturation control coarse (0-100%) <i>CMY mode is selected:</i> No function	proportional
14	-	-	-	21	14	0-255	<b>White (16 bit) - zone 1</b> Fine white colour saturation control (RGBW mode)	proportional
15	-	-	-	22	7	0-255	<b>Red/Cyan (8bit) - zone 2</b> Red or cyan colour saturation control (0-100%)	proportional
16	-	-	-	23	8	0-255	<b>Red/Cyan (16 bit) - zone 2</b> Fine red or cyan colour saturation control	proportional
17	-	-	-	24	9	0-255	<b>Green/Magenta (8 bit) - zone 2</b> Green or magenta colour saturat. control (0-100%)	proportional
18	-	-	-	24	10	0-255	<b>Green/Magenta (16 bit) - zone 2</b> Fine green or magenta colour saturation control	proportional
19	-	-	-	26	11	0-255	<b>Blue/Yellow (8 bit) zone 2</b> Blue or yellow colour saturation control (0-100%)	proportional
20	-	-	-	27	12	0-255	<b>Blue/Yellow (16 bit) zone 2</b> Fine blue or yellow colour saturation control	proportional
21	-	-	-	28	13	0-255	<b>White (8 bit) - zone 2</b> <i>RGB mode is selected:</i> White colour saturation control coarse (0-100%) <i>CMY mode is selected:</i> No function	proportional
22	-	-	-	29	14	0-255	<b>White (16 bit) - zone 2</b> Fine white colour saturation control (RGBW mode)	proportional
23	-	-	-	30	15	0-255	<b>Red/Cyan (8bit) - zone 3</b> Red or cyan colour saturation control (0-100%)	proportional
24	-	-	-	31	16	0-255	<b>Red/Cyan (16 bit) - zone 3</b> Fine red or cyan colour saturation control	proportional
25	-	-	-	32	17	0-255	<b>Green/Magenta (8 bit) - zone 3</b> Green or magenta colour saturat. control (0-100%)	proportional
26	-	-	-	33	18	0-255	<b>Green/Magenta (16 bit) - zone 3</b> Fine green or magenta colour saturation control	proportional

Mode/Channel						Value	Function	Type of control
1	2	3	4	5	6			
27	-	-	-	34	19	0-255	<b>Blue/Yellow (8 bit) zone 3</b> Blue or yellow colour saturation control (0-100%)	proportional
28	-	-	-	35	20	0-255	<b>Blue/Yellow (16 bit) zone 3</b> Fine blue or yellow colour saturation control	proportional
29	-	-	-	36	21	0-255	<b>White (8 bit) zone 3</b> <i>RGB mode is selected:</i> White colour saturation control coarse (0-100%) <i>CMY mode is selected:</i> No function	proportional
30	-	-	-	37	22	0-255	<b>White (16 bit) zone 3</b> Fine white colour saturation control (RGBW mode)	proportional
31	-	-	-	38	23	0-255	<b>Red/Cyan (8bit) - zone 4</b> Red or cyan colour saturation control (0-100%)	proportional
32	-	-	-	39	24	0-255	<b>Red/Cyan (16 bit) - zone 4</b> Fine red or cyan colour saturation control	proportional
33	-	-	-	40	25	0-255	<b>Green/Magenta (8 bit) - zone 4</b> Green or magenta colour saturat. control (0-100%)	proportional
34	-	-	-	41	26	0-255	<b>Green/Magenta (16 bit) - zone 4</b> Fine green or magenta colour saturation control	proportional
35	-	-	-	42	27	0-255	<b>Blue/Yellow (8 bit) zone 4</b> Blue or yellow colour saturation control (0-100%)	proportional
36	-	-	-	43	28	0-255	<b>Blue/Yellow (16 bit) zone 4</b> Fine blue or yellow colour saturation control	proportional
37	-	-	-	44	29	0-255	<b>White (8 bit) zone 4</b> <i>RGB mode is selected:</i> White colour saturation control coarse (0-100%) <i>CMY mode is selected:</i> No functin	proportional
38	-	-	-	45	30	0-255	<b>White (16 bit) zone 4</b> Fine white colour saturation control (RGBW mode )	proportional
39	15	11	-	12	31	0	<b>CTC</b> No function	step
						1-255	Colour temperature correction from 20000K to 2700K ( <i>menu item "Colour Calibration Mode"=Off</i> )	proportional
						1-255	Colour temperature correction from 15500K to 2700K ( <i>menu item "Colour Calibration Mode"=On</i> )	proportional
40	16	12	7	13	32	0	<b>Virtual Colour Wheel</b> For detailed description see " Virtual colour wheel- colour mixing chart	step
						1-2	No function	step
						3	White 2700 K	step
						4-5	White 2700 K (Halogen lamp mode*)	step
						6	White 3200 K	step
						7-9	White 3200 K (Halogen lamp mode*)	step
						10-12	White 4200 K	step
						13-15	White 5600 K	step
						16	White 8000 K	step
						17-55	Blue (Blue=full, Red+Green+White=0)	step
						56	Red=0, Green->up,Blue =full, White=0	proportional
						57 - 95	Light Blue (Red=0, Green=full, Blue =full, White=0)	step
						96	Red=0, Green=full, Blue->down, White=0	proportional
						97 – 134	Green (Red=0, Green=full, Blue =0, White=0)	step
						135	Red->up, Green=full, Blue=0, White=0	proportional
						136 - 174	Yellow (Red=full, Green=full, Blue=0, White=0)	step
175	Red=full, Green->down, Blue=0, White=0	proportional						
176 -214	Red(Red=full, Green=0, Blue=0, White=0)	step						
						176 -214	Red=full, Green=0, Blue->up, White=0	proportional

Mode/Channel						Value	Function	Type of control
1	2	3	4	5	6			
						215 216 - 246 247	Magenta (Red=full, Green=0, Blue=full, White=0) Red -> down, Green=0, Blue=full, White=0 Blue (Red=0, Green=0, Blue=full, White=0)	step proportional step
						32	----- <i>Speed of the following effects can be controlled by the Shutter/Strobe channel (DMX values of 96-127)</i>	
						248 249 250-255	Rainbow effect (with fade time) Rainbow effect Zone effects	step step step
41	17	13	8	7	33	0 - 255	<b>Zoom (8 bit)</b> Zoom from min. to max. beam angle	proportional
42	18	-	-	8	34	0 - 255	<b>Zoom fine (16 bit)</b> Fine zooming from min. to max.	proportional
						0-31 32-63 64-95	<b>Shutter/Strobe</b> Shutter closed Strobe effect from slow--> fast (zone 4 only) Strobe effect from slow--> fast (All zones together)	step proportional proportional
						96-111 112-127	-----Set value on Virtual colour wheel----- Zone effects+rainbow effects speed control, slow--> fast Zone effects+rainbow effects speed control, fast--> slow /opposite direction/	proportional proportional
43	19	14	9	9	35	128-143 144-159	Opening pulses in sequences from slow--> fast (All zones together) Closing pulses in sequences from fast--> slow (All zones together)	proportional proportional
						160-175 176-191	Random strobe effect from slow--> fast (random zone) Random strobe effect from slow--> fast (random zone + random strobe)	proportional proportional
						192-223	Random strobe effect from slow --> fast (All zones together)	proportional
						224-239	Random strobe effect from slow --> fast (random LEDs)	proportional
						240-255	Shutter open	step
44	20	15	10	10	36	0-255	<b>Dimmer (8 bit)</b> Dimmer intensity from 0% to 100%	proportional
45	21	-	-	11	37	0-255	<b>Dimmer fine (16 bit)</b> Fine dimming	proportional

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

\*\* The DMX mode 6 is the equivalent of DMX mode 1 for Robin LEDWash 300/600.

## Virtual colour wheel - colour mixing chart

Scale*	Virtual Colour Wheel	Red	Green	Blue	White
	DMX	DMX	DMX	DMX	DMX
1-15	1-2 (White 2700K)	250	102	0	63
	3 (White 2700K /Hal.mode/)	250	102	0	63
	4-5 (White 3200K)	255	114	1	107
	6 (White 3200K /Hal.mode/)	255	114	1	107
	7-9 (White 4200K)	255	132	5	255
	10-12 (White 5600K)	255	216	34	255
	13-15 (White 8000K)	206	255	66	255
16-63	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

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

<b>Scale*</b>	<b>Virtual Colour Wheel</b>	<b>Red</b>	<b>Green</b>	<b>Blue</b>	<b>White</b>
	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					