

Robin 600 LEDWash - DMX chart

Version 1.5

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
1	1	1	1	1	0-255	Pan (8 bit) Pan movement by 450°	proportional
2	2	2	2	2	0-255	Pan Fine (16 bit) Fine control of pan movement	proportional
3	3	3	3	3	0-255	Tilt (8bit) Tilt movement by 300°	proportional
4	4	4	4	4	0-255	Tilt fine (16 bit) Fine control of tilt movement	proportional
5	5	5	5	5	0	Pan/Tilt speed, Pan/Tilt time Max. speed (tracking mode)	step
					1 - 255	<i>P./T. speed-set Speed Mode in menu: P./T. Mode</i> Speed from max. to min. (vector mode)	proportional
					1 - 255	<i>P./T. time - set Time Mode in menu: Pan/Tilt Mode</i> Time from 0.1 s to 25.5 s.	proportional
6	6	6	6	6	0 - 9	Special functions Reserved <i>To activate following functions , stop in DMX value for at least 3sec. and shutter must be closed at least 3sec. (Shutter channel 35/19/14/9/9 must be at range of 0-31DMX). Corresponding menu items are temporarily overridden except DMX Input.</i>	
					10 - 14	DMX input: Wired DMX *	step
					15 - 19	DMX input: Wireless DMX* * function is active only 10 seconds after switching the fixture on	step
					20 - 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	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 - 239	Reserved						
240	Disable "Silent mode" of fans <i>To activate "Silent ", stop in range of 241-255 at least 3 sec.</i>	step					
241 - 255	"Silent mode of fans":fans noise from min. to max.	proportional					
-	7	7	-	-	0-255	Red (8 bit) - all zones Red LEDs saturation control (0-100%)	proportional
-	8	-	-	-	0-255	Red fine(16 bit) - all zones Fine red LEDs saturation control	proportional
-	9	8	-	-	0-255	Green (8 bit) - all zones Green LEDs saturation control (0-100%)	proportional
-	10	-	-	-	0-255	Green fine (16 bit) - all zones Fine green LEDs saturation control	proportional
-	11	9	-	-	0-255	Blue (8 bit) - all zones Blue LEDs saturation control (0-100%)	proportional
-	12	-	-	-	0-255	Blue fine (16 bit) - all zones Fine blue LEDs saturation control	proportional

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
-	13	10	-	-	0-255	White (8 bit) - all zones White LEDs saturation control (0-100%)	proportional
-	14	-	-	-	0-255	White fine (16 bit) - all zones Fine white LEDs saturation control	proportional
7	-	-	-	14	0-255	Red (8 bit) - zone 1 Red LEDs saturation control (0-100%)	proportional
8	-	-	-	15	0-255	Red fine (16 bit) - zone 1 Fine red LEDs saturation control	proportional
9	-	-	-	16	0-255	Green (8 bit) - zone 1 Green LEDs saturation control (0-100%)	proportional
10	-	-	-	17	0-255	Green fine (16 bit) - zone 1 Fine green LEDs saturation control	proportional
11	-	-	-	18	0-255	Blue (8 bit) zone 1 Blue LEDs saturation control (0-100%)	proportional
12	-	-	-	19	0-255	Blue (16 bit) zone 1 Fine blue LEDs saturation control)	proportional
13	-	-	-	20	0-255	White (8 bit) - zone 1 White LEDs saturation control (0-100%)	proportional
14	-	-	-	21	0-255	White (16 bit) - zone 1 Fine white LEDs saturation control	proportional
15	-	-	-	22	0-255	Red (8bit) - zone 2 Red LEDs saturation control (0-100%)	proportional
16	-	-	-	23	0-255	Red fine (16 bit) - zone 2 Fine red LEDs saturation control	proportional
17	-	-	-	24	0-255	Green (8 bit) - zone 2 Green LEDs saturation control (0-100%)	proportional
18	-	-	-	24	0-255	Green fine (16 bit) - zone 2 Fine green LEDs saturation control	proportional
19	-	-	-	26	0-255	Blue (8 bit) - zone 2 Blue LEDs saturation control (0-100%)	proportional
20	-	-	-	27	0-255	Blue fine (16 bit) - zone 2 Fine blue LEDs saturation control	proportional
21	-	-	-	28	0-255	White (8 bit) - zone 2 White LEDs saturation control (0-100%)	proportional
22	-	-	-	29	0-255	White (16 bit) - zone 2 Fine white LEDs saturation control	proportional
23	-	-	-	30	0-255	Red (8 bit) - zone 3 Red LEDs saturation control (0-100%)	proportional
24	-	-	-	31	0-255	Red fine (16 bit) - zone 3 Fine red LEDs saturation control	proportional
25	-	-	-	32	0-255	Green (8 bit) - zone 3 Green LEDs saturation control (0-100%)	proportional
26	-	-	-	33	0-255	Green fine (16 bit) - zone 3 Fine green LEDs saturation control	proportional
27	-	-	-	34	0-255	Blue (8 bit) zone 3 Blue LEDs saturation control (0-100%)	proportional
28	-	-	-	35	0-255	Blue fine (16 bit) zone 3 Fine blue LEDs saturation control	proportional
29	-	-	-	36	0-255	White (8 bit) zone 3 White LEDs saturation control (0-100%)	proportional
30	-	-	-	37	0-255	White fine (16 bit) zone 3 Fine white LEDs saturation control (proportional

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
31	15	11	-	12	0 1-255 1-255	CTC No function Colour temperature correction from 20000K to 2700K (<i>menu item "Colour Calibration Mode"=Off</i>) Colour temperature correction from 15500K to 2700K (<i>menu item "Colour Calibration Mode"=On</i>)	step proportional proportional
32	16	12	7	13	0 1-2 3 4-5 6 7-9 10-12 13-15 16 17-55 56 57 - 95 96 97 - 134 135 136 - 174 175 176 -214 215 216 - 246 247 248 249 250 251 252 253 254 255	Virtual Colour Wheel For detailed description see " Virtual colour wheel- colour mixing chart No function White 2700 K White 2700 K (Halogen lamp mode**) White 3200 K White 3200 K (Halogen lamp mode**) White 4200 K White 5600 K White 8000 K Blue (Blue=full, Red+Green+White=0) Red=0, Green->up,Blue =full, White=0 Light Blue (Red=0, Green=full, Blue =full, White=0) Red=0, Green=full, Blue->down, White=0 Green (Red=0, Green=full, Blue =0, White=0) Red->up, Green=full, Blue=0, White=0 Yellow (Red=full, Green=full, Blue=0, White=0) Red=full, Green->down, Blue=0, White=0 Red(Red=full, Green=0, Blue=0, White=0) Red=full, Green=0, Blue->up, White=0 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) ----- <i>Speed of the following effects can be controlled by the Shutter/Strobe channel (DMX values of 96-127)</i> Rainbow effect (with fade time) Rainbow effect Zone effect 1 Zone effect 2 Zone effect 3 Zone effect 4 Zone effect 5 Zone effect 6	step step step step step step step step step step proportional step proportional step proportional step proportional step proportional step step step step step step step step step step
33	17	13	8	7	0 - 255	Zoom (8 bit) Zoom from min. to max. beam angle	proportional
34	18	-	-	8	0 - 255	Zoom fine (16 bit) Fine zooming from min. to max.	proportional
35	19	14	9	9	0-31 32-63 64-95 96-111 112-127 128-143 144-159 160-175 176-191 192-223 224-255	Shutter/Strobe Shutter closed Strobe effect from slow--> fast (zone 3 only) Strobe effect from slow--> fast (All zones together) ----- <i>Set value on Virtual colour wheel</i> ----- Zone effects+rainbow effects speed control, slow--> fast Zone effects+rainbow effects speed control, fast--> slow /opposite direction/ Opening pulses in sequences from slow--> fast (All zones together) Closing pulses in sequences from fast--> slow (All zones together) Random strobe effect from slow--> fast (random zone) Random strobe effect from slow--> fast (random zone + random strobe) Random strobe effect from slow --> fast (All zones together) Shutter open	step proportional proportional proportional proportional proportional proportional proportional proportional proportional step

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
36	20	15	10	10	0-255	Dimmer (8 bit) Dimmer intensity from 0% to 100%	proportional
37	21	-	-	11	0-255	Dimmer fine (16 bit) Fine dimming	proportional

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

Virtual colour wheel - colour mixing chart

Scale*	Virtual Colour Wheel	Red	Green	Blue	White
	DMX	DMX	DMX	DMX	DMX
	1-2 (White 2700K)	255	168	0	83
	3 (White 2700K /Hal.mode/)	255	168	0	83
	4-5 (White 3200K)	255	180	0	155
	6 (White 3200K /Hal.mode/)	255	180	0	155
	7-9 (White 4200K)	247	214	19	255
	10-12 (White 5600K)	217	251	50	255
	13-15 (White 8000K)	168	255	84	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

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

LED zone order

