

CityLine 48 - DMX protocol

Version 1.4

Mode/Channel							Value	Function	Type of control
1	2	3	4	5	6	7			
1	-	-	1	-	-	-	0-255	Red - all pixels Red LEDs saturation control (0-100%)	proportional
2	-	-	2	-	-	-	0-255	Green - all pixels Green LEDs saturation control (0-100%)	proportional
3	-	-	3	-	-	-	0-255	Blue - all pixels Blue LEDs saturation control (0-100%)	proportional
4	-	-	4	-	-	-	0-255	White - all pixels White LEDs saturation control (0-100%)	proportional
-	1	1	-	-	1	1	0-255	Red pixel 1 Red LED saturation control (0-100%)	proportional
-	2	2	-	-	2	2	0-255	Green pixel 1 Green LED saturation control (0-100%)	proportional
-	3	3	-	-	3	3	0-255	Blue pixel 1 Blue LED saturation control (0-100%)	proportional
-	4	4	-	-	-	-	0-255	White pixel 1 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	4	0-255	Dimmer 1 Dimmer intensity from 0-100%	proportional
-	5	5	-	-	4	5	0-255	Red pixel 2 Red LED saturation control (0-100%)	proportional
-	6	6	-	-	5	6	0-255	Green pixel 2 Green LED saturation control (0-100%)	proportional
-	7	7	-	-	6	7	0-255	Blue pixel 2 Blue LED saturation control (0-100%)	proportional
-	8	8	-	-	-	-	0-255	White pixel 2 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	8	0-255	Dimmer 2 Dimmer intensity from 0-100%	proportional
-	9	9	-	-	7	9	0-255	Red pixel 3 Red LED saturation control (0-100%)	proportional
-	10	10	-	-	8	10	0-255	Green pixel 3 Green LED saturation control (0-100%)	proportional
-	11	11	-	-	9	11	0-255	Blue pixel 3 Blue LED saturation control (0-100%)	proportional
-	12	12	-	-	-	-	0-255	White pixel 3 White LED saturation control (0-100%)	proportional

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Mode/Channel							Value	Function	Type of control
1	2	3	4	5	6	7			
-	-	-	-	-	-	12	0-255	Dimmer 3 Dimmer intensity from 0-100%	proportional
-	13	13	-	-	10	13	0-255	Red pixel 4 Red LED saturation control (0-100%)	proportional
-	14	14	-	-	11	14	0-255	Green pixel 4 Green LED saturation control (0-100%)	proportional
-	15	15	-	-	12	15	0-255	Blue pixel 4 Blue LED saturation control (0-100%)	proportional
-	16	16	-	-	-	-	0-255	White pixel 4 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	16	0-255	Dimmer 4 Dimmer intensity from 0-100%	proportional
-	17	17	-	-	13	17	0-255	Red pixel 5 Red LED saturation control (0-100%)	proportional
-	18	18	-	-	14	18	0-255	Green pixel 5 Green LED saturation control (0-100%)	proportional
-	19	19	-	-	15	19	0-255	Blue pixel 5 Blue LED saturation control (0-100%)	proportional
-	20	20	-	-	-	-	0-255	White pixel 5 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	20	0-255	Dimmer 5 Dimmer intensity from 0-100%	proportional
-	21	21	-	-	16	21	0-255	Red pixel 6 Red LED saturation control (0-100%)	proportional
-	22	22	-	-	17	22	0-255	Green pixel 6 Green LED saturation control (0-100%)	proportional
-	23	23	-	-	18	23	0-255	Blue pixel 6 Blue LED saturation control (0-100%)	proportional
-	24	24	-	-	-	-	0-255	White pixel 6 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	24	0-255	Dimmer 6 Dimmer intensity from 0-100%	proportional
-	25	25	-	-	19	25	0-255	Red pixel 7 Red LED saturation control (0-100%)	proportional
-	26	26	-	-	20	26	0-255	Green pixel 7 Green LED saturation control (0-100%)	proportional
-	27	27	-	-	21	27	0-255	Blue pixel 7 Blue LED saturation control (0-100%)	proportional

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Mode/Channel							Value	Function	Type of control
1	2	3	4	5	6	7			
-	28	28	-	-	-	-	0-255	White pixel 7 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	28	0-255	Dimmer 7 Dimmer intensity from 0-100%	proportional
-	29	29	-	-	22	29	0-255	Red pixel 8 Red LED saturation control (0-100%)	proportional
-	30	30	-	-	23	30	0-255	Green pixel 8 Green LED saturation control (0-100%)	proportional
-	31	31	-	-	24	31	0-255	Blue pixel 8 Blue LED saturation control (0-100%)	proportional
-	32	32	-	-	-	-	0-255	White pixel 8 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	32	0-255	Dimmer 8 Dimmer intensity from 0-100%	proportional
-	33	33	-	-	25	33	0-255	Red pixel 9 Red LED saturation control (0-100%)	proportional
-	34	34	-	-	26	34	0-255	Green pixel 9 Green LED saturation control (0-100%)	proportional
-	35	35	-	-	27	35	0-255	Blue pixel 9 Blue LED saturation control (0-100%)	proportional
-	36	36	-	-	-	-	0-255	White pixel 9 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	36	0-255	Dimmer 9 Dimmer intensity from 0-100%	proportional
-	37	37	-	-	28	37	0-255	Red pixel 10 Red LED saturation control (0-100%)	proportional
-	38	38	-	-	29	38	0-255	Green pixel 10 Green LED saturation control (0-100%)	proportional
-	39	39	-	-	30	39	0-255	Blue pixel 10 Blue LED saturation control (0-100%)	proportional
-	40	40	-	-	-	-	0-255	White pixel 10 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	40	0-255	Dimmer 10 Dimmer intensity from 0-100%	proportional
-	41	41	-	-	31	41	0-255	Red pixel 11 Red LED saturation control (0-100%)	proportional
-	42	42	-	-	32	42	0-255	Green pixel 11 Green LED saturation control (0-100%)	proportional

Mode/Channel							Value	Function	Type of control
1	2	3	4	5	6	7			
-	43	43	-	-	33	43	0-255	Blue pixel 11 Blue LED saturation control (0-100%)	proportional
-	44	44	-	-	-	-	0-255	White pixel 11 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	44	0-255	Dimmer 11 Dimmer intensity from 0-100%	proportional
-	45	45	-	-	34	45	0-255	Red pixel 12 Red LED saturation control (0-100%)	proportional
-	46	46	-	-	35	46	0-255	Green pixel 12 Green LED saturation control (0-100%)	proportional
-	47	47	-	-	36	47	0-255	Blue pixel 12 Blue LED saturation control (0-100%)	proportional
-	48	48	-	-	-	-	0-255	White pixel 12 White LED saturation control (0-100%)	proportional
-	-	-	-	-	-	48	0-255	Dimmer 12 Dimmer intensity from 0-100%	proportional
-	-	49	5	-	-	49	0 1-255	CTO (All pixels) No function Colour temperature correction from 20000K to 2400K	step proportional
-	-	50	6	1	-	50	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	Virtual colour wheel (All pixels) 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)	step step step step step step step step step proportional step proportional step proportional step proportional step proportional step proportional step

Mode/Channel							Value	Function	Type of control
1	2	3	4	5	6	7			
							248	Rainbow effect with fade time	step
							249	Rainbow effect without fade time	step
							250	Colour effect 1	step
							251	Colour effect 2	step
							252	Colour effect 3	step
							253	Colour effect 4	step
							254	Colour effect 5	step
							255	Colour effect 6	step
								<u>Shutter/ Strobe (All pixels)</u>	
							0-31	Shutter closed	step
							32-63	Shutter open	step
							64-95	Strobe-effect from slow to fast	proportional
							96-111	Rainbow & Pixels effects speed, slow → fast	proportional
-	-	51	7	-	-	51	112-127	Rainbow & Pixels effects speed, fast → slow ,(opposite)	proportional
							128-143	Opening pulses in sequences slow → fast	proportional
							144-159	Closing pulses in sequences fast → slow	proportional
							160-191	Shutter open	step
							192-223	Random strobe-effects from slow to fast	proportional
							224-255	Shutter open	step
								<u>Master Dimmer (All pixels)</u>	
-	-	52	8	2	-	52	0 - 255	Dimmer intensity from 0% to 100%	proportional