

channel			function	type of control	effect	decimal		percentage			
16	7	1									
1	1	1 ²	master dimmer	proportional	adjust luminous output intensity from 0 to 100%	0	-	255	0%	-	100%
2	2	-	red	proportional	proportional control of the color percentage from 0 % to 100 %	0	-	255	0%	-	100%
3	3	-	green	proportional	proportional control of the color percentage from 0 % to 100 %	0	-	255	0%	-	100%
4	4	-	blue	proportional	proportional control of the color percentage from 0 % to 100 %	0	-	255	0%	-	100%
5	5	-	cyan	proportional	proportional control of the color percentage from 0 % to 100 %	0	-	255	0%	-	100%
6	6	-	lime	proportional	proportional control of the color percentage from 0 % to 100 %	0	-	255	0%	-	100%
7	7	-	amber	proportional	proportional control of the color percentage from 0 % to 100 %	0	-	255	0%	-	100%
8	-	-	strobe effect	step	no effect	0	-	9	0%	-	4%
				proportional	variable speed strobing effect, from slow to fast	10	-	57	4%	-	22%
				step	stop strobe	58	-	59	23%	-	23%
				proportional	sequenced pulse effect, slow closing, fast opening (variable speed pulsing, from slow to fast)	60	-	108	24%	-	42%
				step	stop strobe	109	-	110	43%	-	43%
				proportional	sequenced pulse effect, fast closing, slow opening (variable speed pulsing, from slow to fast)	111	-	159	44%	-	62%
				step	stop strobe	160	-	161	63%	-	63%
				proportional	random strobe effect with variable speed from slow to fast	162	-	207	64%	-	81%
				step	stop strobe	208	-	209	82%	-	82%
				proportional	random strobe effect with variable speed from slow to fast	210	-	255	82%	-	100%
9	-	-	dimmer fine	proportional	fine dimmer control 16 bit	0	-	255	0%	-	100%
10	-	-	special functions	step	park	0	-	9	0%	-	4%
					no effect	10	-	48	4%	-	19%
					fan at low - noise speed	49	-	61	19%	-	24%
					fan at studio mode	62	-	74	24%	-	29%
					fan at auto - silent speed	75	-	87	29%	-	34%
				proportional	fan speed control from minimum to maximum	88	-	100	35%	-	39%
				step	enables the automatic display blackout	101	-	113	40%	-	44%
					disables the automatic display blackout	114	-	126	45%	-	49%
					no effect	127	-	255	50%	-	100%

11'	-	-	red tone	step	no effect	0	-	9	0%	-	4%	
					R24 - Scarlet red	10	-	34	4%	-	13%	
					R02 - Bastard amber	35	-	59	14%	-	23%	
					R313 - Light relief yellow	60	-	84	24%	-	33%	
					R18 - Flame	85	-	109	33%	-	43%	
					R331 - Shell pink	110	-	134	43%	-	53%	
					R25 - Orange red	135	-	159	53%	-	62%	
					R46 - Magenta	160	-	184	63%	-	72%	
					R08 - Pale gold	185	-	209	73%	-	82%	
					R27 - Medium red	210	-	234	82%	-	92%	
R318 - Mayan sun	235	-	255	92%	-	100%						
12'	-	-	green tone	step	no effect	0	-	9	0%	-	4%	
					R4460 - Calcolor 60 green	10	-	34	4%	-	13%	
					R2004 - Storaro green	35	-	59	14%	-	23%	
					E730 - Liberty green	60	-	84	24%	-	33%	
					E088 - Lime green	85	-	109	33%	-	43%	
					R90 - Kelly green	110	-	134	43%	-	53%	
					R395 - Teal green	135	-	159	53%	-	62%	
					R91 - Primary green	160	-	184	63%	-	72%	
					R393 - Emerald green	185	-	209	73%	-	82%	
					R393 - Leaf green	210	-	234	82%	-	92%	
R86 - Pea green	235	-	255	92%	-	100%						
13'	-	-	blue tone	step	no effect	0	-	9	0%	-	4%	
					R2008 - Storaro indigo	10	-	34	4%	-	13%	
					E5058 - French lilac	35	-	59	14%	-	23%	
					R369 - Tahitian blue	60	-	84	24%	-	33%	
					R347 - Belladonna rose	85	-	109	33%	-	43%	
					R381 - Baldassari blue	110	-	134	43%	-	53%	
					R57 - Lavander	135	-	159	53%	-	62%	
					R55 - Lilac	160	-	184	63%	-	72%	
					R4790 - Calcolor 90 magenta	185	-	209	73%	-	82%	
					R92 - Turquoise	210	-	234	82%	-	92%	
R370 - Italian blue	235	-	255	92%	-	100%						
14	-	-	white tone	step	no effect	0	-	9	0%	-	4%	
					2.700 K	10	-	15	4%	-	6%	
				proportional	proportional value from 2.700 K to 3.200 K		16	-	30	6%	-	12%
				step	3.200 K	31	-	45	12%	-	18%	
					proportional	proportional value from 3.200 K to 4.000 K		46	-	60	18%	-
				step	4.000 K	61	-	75	24%	-	29%	
					proportional	proportional value from 4.000 K to 5.000 K		76	-	90	30%	-
				step	5.000 K	91	-	105	36%	-	41%	
					proportional	proportional value from 5.000 K to 5.600 K		106	-	120	42%	-
				step	5.600 K	121	-	135	47%	-	53%	
					proportional	proportional value from 5.600 K to 7.000 K		136	-	150	53%	-
				step	7.000 K	151	-	165	59%	-	65%	
					proportional	proportional value from 7.000 K to 8.000 K		166	-	180	65%	-
				step	8.000 K	181	-	195	71%	-	76%	
					proportional	proportional value from 8.000 K to 9.000 K		196	-	210	77%	-
				step	9.000 K	211	-	225	83%	-	88%	
proportional	proportional value from 9.000 K to 10.000 K		226		-	240	89%	-	94%			
step	10.000 K	241	-	255	95%	-	100%					

15 ³	-	-	green saturation	step	no effect	0		0%			
				proportional	exalts the green color in the mixing and diminishes the presence of magenta	1	-	127	0%	-	20%
				step	no effect	128		50%			
				proportional	diminishes the presence of green in the mixing and exalts the magenta color	129	-	254	51%	-	99%
				step	no effect	255		100%			
16 ⁴	-	-	saturation	proportional	the white tone fades to the tone built with the RGBWLA channels	0	-	255	0%	-	100%

Note 1: channels involving 11 - 12 - 13 macro colors can also be obtained by mixing channels 2 - 3 - 4 - 5 - 6 - 7.

Note 2: the one channel function mode can be selected through the “DMX SETTINGS” menu.

Note 3: the rest position of the green saturation is 128. Diminishing the DMX value augments the presence of the green color. Increasing the DMX value augments the presence of magenta.

Note 4: increasing the value of the saturation DMX channel the white tone (channel 14) will fade to the color selected by the channel 2 - 3 - 4 - 5 - 6 - 7.

Projector: LEDko FullSpectrum 6 HD Studio

Chart name: DMX512 function

software version: 1.0 or following

Edition: 1

Date: 14.02.2020

channel	function	type of control	effect	decimal	percentage
1	master dimmer	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
2	white tone	step	2.700 K	0 - 24	0% - 9%
		proportional	proportional value from 2.700 K to 3.200 K	25 - 39	10% - 15%
		step	3.200 K	40 - 54	16% - 21%
		proportional	proportional value from 3.200 K to 4.000 K	55 - 69	22% - 27%
		step	4.000 K	70 - 84	27% - 33%
		proportional	proportional value from 4.000 K to 5.000 K	85 - 99	33% - 39%
		step	5.000 K	100 - 114	39% - 45%
		proportional	proportional value from 5.000 K to 5.600 K	115 - 129	45% - 51%
		step	5.600 K	130 - 144	51% - 56%
		proportional	proportional value from 5.600 K to 7.000 K	145 - 159	57% - 62%
		step	7.000 K	160 - 174	63% - 68%
		proportional	proportional value from 7.000 K to 8.000 K	175 - 189	69% - 74%
		step	8.000 K	190 - 204	75% - 80%
		proportional	proportional value from 8.000 K to 9.000 K	205 - 219	80% - 86%
		step	9.000 K	220 - 234	86% - 92%
proportional	proportional value from 9.000 K to 10.000 K	235 - 249	92% - 98%		
step	10.000 K	250 - 255	98% - 100%		
3'	green saturation	step	no effect	0	0%
		proportional	exalts the green color in the mixing and diminishes the presence of magenta	1 - 127	0% - 20%
		step	no effect	128	50%
		proportional	diminishes the presence of green in the mixing and exalts the green color	129 - 254	51% - 99%
		step	no effect	255	100%
4	saturation	proportional	the white tone fades to the tone built with the HUE channel	0 - 255	0% - 100%
5²	hue	proportional	reproduce the color crossfades around the color space	0 - 255	0% - 100%
6	dimmer fine	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
7	special functions	step	park	0 - 9	0% - 4%
			no effect	10 - 48	4% - 19%
			fan at low-noise speed	49 - 61	19% - 24%
			fan at studio mode	62 - 74	24% - 29%
			fan at auto-silent speed	75 - 87	29% - 34%
		proportional	fan speed control from minimum to maximum	88 - 100	35% - 39%
		step	enables the automatic display blackout	101 - 113	40% - 44%
			disables the automatic display blackout	114 - 126	45% - 49%
			no effect	127 - 255	50% - 100%

Note 1: the rest position of the green saturation is 128. Diminishing the DMX value augments the presence of the green color. Increasing the DMX value augments the presence of magenta.

Note 2: increasing the value of the saturation DMX channel (channel 4) the white light will fade to the color selected with the HUE channel (channel 5)

Projector: LEDko FullSpectrum 6 HD Studio

Chart name: DMX512 function

software version: 1.0 or following

Edition: 1

Date: 14.02.2020

channel	function	type of control	effect	decimal		percentage	
1	master dimmer	proportional	adjust luminous output intensity from 0 to 100%	0	- 255	0%	- 100%
2	dimmer fine	proportional	fine dimmer control 16 bit	0	- 255	0%	- 100%
3	red	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
4	green	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
5	blue	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
6	white tone	step	no effect	0	- 9	0%	- 4%
			2.700 K	10	- 15	4%	- 6%
		proportional	proportional value from 2.700 K to 3.200 K	16	- 30	6%	- 12%
			3.200 K	31	- 45	12%	- 18%
		proportional	proportional value from 3.200 K to 4.000 K	46	- 60	18%	- 24%
			4.000 K	61	- 75	24%	- 29%
		proportional	proportional value from 4.000 K to 5.000 K	76	- 90	30%	- 35%
			5.000 K	91	- 105	36%	- 41%
		proportional	proportional value from 5.000 K to 5.600 K	106	- 120	42%	- 47%
			5.600 K	121	- 135	47%	- 53%
		proportional	proportional value from 5.600 K to 7.000 K	136	- 150	53%	- 59%
			7.000 K	151	- 165	59%	- 65%
		proportional	proportional value from 7.000 K to 8.000 K	166	- 180	65%	- 71%
			8.000 K	181	- 195	71%	- 76%
		proportional	proportional value from 8.000 K to 9.000 K	196	- 210	77%	- 82%
			9.000 K	211	- 225	83%	- 88%
proportional	proportional value from 9.000 K to 10.000 K	226	- 240	89%	- 94%		
	10.000 K	241	- 255	95%	- 100%		
7'	saturation	proportional	the white tone fades to the tone built with the RGB channels	0	- 255	0%	- 100%
8	strobe effect	step	no effect	0	- 9	0%	- 4%
			variable speed strobing effect, from slow to fast	10	- 57	4%	- 22%
		proportional	stop strobe	58	- 59	23%	- 23%
			sequenced pulse effect, slow closing, fast opening (variable speed pulsing, from slow to fast)	60	- 108	24%	- 42%
		step	stop strobe	109	- 110	43%	- 43%
			sequenced pulse effect, fast closing, slow opening (variable speed pulsing, from slow to fast)	111	- 159	44%	- 62%
		proportional	stop strobe	160	- 161	63%	- 63%
			random strobe effect with variable speed from slow to fast	162	- 207	64%	- 81%
		step	stop strobe	208	- 209	82%	- 82%
			random strobe effect with variable speed from slow to fast	210	- 255	82%	- 100%

9	special functions	step	park	0	-	9	0%	-	4%
			no effect	10	-	48	4%	-	19%
			fan at low-noise speed	49	-	61	19%	-	24%
			fan at studio mode	62	-	74	24%	-	29%
			fan at auto-silent speed	75	-	87	29%	-	34%
		proportional	fan speed control from minimum to maximum	88	-	100	35%	-	39%
		step	enables the automatic display blackout	101	-	113	40%	-	44%
			disables the automatic display blackout	114	-	126	45%	-	49%
			no effect	127	-	255	50%	-	100%

Note 1: increasing the value of the saturation DMX channel the white tone (channel 6) will fade to the color selected by the channel 3, 4 or 5

Projector: LEDko FullSpectrum 6 HD Studio

Chart name: DMX512 function

software version: 1.0 or following

Edition: 1

Date: 14.02.2020

channel	function	type of control	effect	decimal		percentage	
1	master dimmer	proportional	adjust luminous output intensity from 0 to 100%	0	- 255	0%	- 100%
2	dimmer fine	step	fine dimmer control 16 bit	0	- 255	0%	- 100%
3	red	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
4	red fine	step	fine red control 16 bit	0	- 255	0%	- 100%
5	green	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
6	green fine	step	fine green control 16 bit	0	- 255	0%	- 100%
7	blue	proportional	proportional control of the color percentage from 0 % to 100 %	0	- 255	0%	- 100%
8	blue fine	step	fine blue control 16 bit	0	- 255	0%	- 100%
9	white tone	step	no effect	0	- 9	0%	- 4%
			2.700 K	10	- 15	4%	- 6%
		proportional	proportional value from 2.700 K to 3.200 K	16	- 30	6%	- 12%
			3.200 K	31	- 45	12%	- 18%
		proportional	proportional value from 3.200 K to 4.000 K	46	- 60	18%	- 24%
			4.000 K	61	- 75	24%	- 29%
		proportional	proportional value from 4.000 K to 5.000 K	76	- 90	30%	- 35%
			5.000 K	91	- 105	36%	- 41%
		proportional	proportional value from 5.000 K to 5.600 K	106	- 120	42%	- 47%
			5.600 K	121	- 135	47%	- 53%
		proportional	proportional value from 5.600 K to 7.000 K	136	- 10	53%	- 59%
			7.000 K	151	- 165	59%	- 65%
		proportional	proportional value from 7.000 K to 8.000 K	166	- 180	65%	- 71%
			8.000 K	181	- 195	71%	- 76%
		proportional	proportional value from 8.000 K to 9.000 K	196	- 210	77%	- 82%
			9.000 K	211	- 225	83%	- 88%
proportional	proportional value from 9.000 K to 10.000 K	226	- 240	89%	- 94%		
	10.000 K	241	- 255	95%	- 100%		
10¹	saturation	proportional	the white tone fades to the tone built with the RGB channels	0	- 255	0%	- 100%
11	strobe	step	no effect	0	- 9	0%	- 4%
			variable speed strobing effect, from slow to fast	10	- 57	4%	- 22%
		proportional	stop strobe	58	- 59	23%	- 23%
			sequenced pulse effect, slow closing, fast opening (variable speed pulsing, from slow to fast)	60	- 108	24%	- 42%
		step	stop strobe	109	- 110	43%	- 43%
			sequenced pulse effect, fast closing, slow opening (variable speed pulsing, from slow to fast)	111	- 159	44%	- 62%
		step	stop strobe	160	- 161	63%	- 63%
			random strobe effect with variable speed from slow to fast	162	- 207	64%	- 81%
		step	stop strobe	208	- 209	82%	- 82%
			random strobe effect with variable speed from slow to fast	210	- 255	82%	- 100%

12	special functions	step	park	0	-	9	0%	-	4%
			no effect	10	-	48	4%	-	19%
			fan at low-noise speed	49	-	61	19%	-	24%
			fan at studio mode	62	-	74	24%	-	29%
			fan at auto-silent speed	75	-	87	29%	-	34%
		proportional	fan speed control from minimum to maximum	88	-	100	35%	-	39%
		step	enables the automatic display blackout	101	-	113	40%	-	44%
			disables the automatic display blackout	114	-	126	45%	-	49%
			no effect	127	-	255	50%	-	100%

Note 1: increasing the value of the saturation DMX channel the white tone (channel 6) will fade to the color selected by the channel 3, 4 or 5

Projector: LEDko FullSpectrum 6 HD Studio

Chart name: DMX512 function

software version: 1.0 or following

Edition: 1

Date: 14.02.2020