LEDko FullSpectrum 6 HD Studio
DMX chart (16 / 7 / 1 ch)

channel 16	channel 7	channel 1	function	type of control	effect	decimal			percentage		
1	**1**	**1²**	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	-	84	4%	-	33%
					fan at low-noise speed	85	-	96	33%	-	38%
					fan at studio mode	97	-	108	38%	-	42%
					fan at auto-silent speed	109	-	120	43%	-	47%
				proportional	fan speed control	121	-	133	47%	-	52%
				step	enables the automatic display blackout	134	-	185	53%	-	73%
					disables the automatic display blackout	186	-	199	73%	-	78%
					no effect	200	-	255	78%	-	100%

11[1]	-	-	red tone	step	no effect	0	-	9	0%	-	4%
					COR01 - GELS RED 1	10	-	34	4%	-	13%
					COR02 - GELS RED 2	35	-	59	14%	-	23%
					COR03 - GELS RED 3	60	-	84	24%	-	33%
					COR04 - GELS RED 4	85	-	109	33%	-	43%
					COR05 - GELS RED 5	110	-	134	43%	-	53%
					COR06 - GELS RED 6	135	-	159	53%	-	62%
					COR07 - GELS RED 7	160	-	184	63%	-	72%
					COR08 - GELS RED 8	185	-	209	73%	-	82%
					COR09 - GELS RED 9	210	-	234	82%	-	92%
					COR10 - GELS RED 10	235	-	255	92%	-	100%
12[1]	-	-	green tone	step	no effect	0	-	9	0%	-	4%
					COG01 - GELS GREEN 1	10	-	34	4%	-	13%
					COG02 - GELS GREEN 2	35	-	59	14%	-	23%
					COG03 - GELS GREEN 3	60	-	84	24%	-	33%
					COG04 - GELS GREEN 4	85	-	109	33%	-	43%
					COG05 - GELS GREEN 5	110	-	134	43%	-	53%
					COG06 - GELS GREEN 6	135	-	159	53%	-	62%
					COG07 - GELS GREEN 7	160	-	184	63%	-	72%
					COG08 - GELS GREEN 8	185	-	209	73%	-	82%
					COG09 - GELS GREEN 9	210	-	234	82%	-	92%
					COG10 - GELS GREEN 10	235	-	255	92%	-	100%
13[1]	-	-	blue tone	step	no effect	0	-	9	0%	-	4%
					COB01 - GELS BLUE 1	10	-	34	4%	-	13%
					COB02 - GELS BLUE 2	35	-	59	14%	-	23%
					COB03 - GELS BLUE 3	60	-	84	24%	-	33%
					COB04 - GELS BLUE 4	85	-	109	33%	-	43%
					COB05 - GELS BLUE 5	110	-	134	43%	-	53%
					COB06 - GELS BLUE 6	135	-	159	53%	-	62%
					COB07 - GELS BLUE 7	160	-	184	63%	-	72%
					COB08 - GELS BLUE 8	185	-	209	73%	-	82%
					COB09 - GELS BLUE 9	210	-	234	82%	-	92%
					COB10 - GELS BLUE 10	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%	-	24%
				step	4.000 K	61	-	75	24%	-	29%
				proportional	proportional value from 4.000 K to 5.000 K	76	-	90	30%	-	35%
				step	5.000 K	91	-	105	36%	-	41%
				proportional	proportional value from 5.000 K to 5.600 K	106	-	120	42%	-	47%
				step	5.600 K	121	-	135	47%	-	53%
				proportional	proportional value from 5.600 K to 7.000 K	136	-	150	53%	-	59%
				step	7.000 K	151	-	165	59%	-	65%
				proportional	proportional value from 7.000 K to 8.000 K	166	-	180	65%	-	71%
				step	8.000 K	181	-	195	71%	-	76%
				proportional	proportional value from 8.000 K to 9.000 K	196	-	210	77%	-	82%
				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:** 0.79
Edition: 3	**Date:** 21.05.2021	

LEDko FullSpectrum 6 HD Studio
DMX chart (Studio mode)

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 - 15	0% - 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% - 24%
		step	4.000 K	61 - 75	24% - 29%
		proportional	proportional value from 4.000 K to 5.000 K	76 - 90	30% - 35%
		step	5.000 K	91 - 105	36% - 41%
		proportional	proportional value from 5.600 K to 7.000 K	136 - 150	53% - 59%
		step	5.600 K	121 - 135	47% - 53%
		proportional	proportional value from 5.600 K to 7.000 K	136 - 150	53% - 59%
		step	7.000 K	151 - 165	59% - 65%
		proportional	proportional value from 7.000 K to 8.000 K	166 - 180	65% - 71%
		step	8.000 K	181 - 195	71% - 76%
		proportional	proportional value from 8.000 K to 9.000 K	196 - 210	77% - 82%
		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%
3[1]	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%
5[2]	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 - 84	4% - 33%
			fan at low-noise speed	85 - 96	33% - 38%
			fan at studio mode	97 - 108	38% - 42%
			fan at auto-silent speed	109 - 120	43% - 47%
		proportional	fan speed control	121 - 133	47% - 52%
		step	enables the automatic display blackout	134 - 185	53% - 73%
			disables the automatic display blackout	186 - 199	73% - 78%
			no effect	200 - 255	78% - 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:** 0.79
Edition: 3	**Date:** 21.05.2021	

LEDko FullSpectrum 6 HD Studio
DMX chart (RGB mode)

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%
		step	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% - 24%
		step	4.000 K	61 - 75	24% - 29%
		proportional	proportional value from 4.000 K to 5.000 K	76 - 90	30% - 35%
		step	5.000 K	91 - 105	36% - 41%
		proportional	proportional value from 5.000 K to 5.600 K	106 - 120	42% - 47%
		step	5.600 K	121 - 135	47% - 53%
		proportional	proportional value from 5.600 K to 7.000 K	136 - 150	53% - 59%
		step	7.000 K	151 - 165	59% - 65%
		proportional	proportional value from 7.000 K to 8.000 K	166 - 180	65% - 71%
		step	8.000 K	181 - 195	71% - 76%
		proportional	proportional value from 8.000 K to 9.000 K	196 - 210	77% - 82%
		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%
7[1]	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%
		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	special functions	step	park	0	-	9	0%	-	4%
			no effect	10	-	84	4%	-	33%
			fan at low-noise speed	85	-	96	33%	-	38%
			fan at studio mode	97	-	108	38%	-	42%
			fan at auto-silent speed	109	-	120	43%	-	47%
		proportional	fan speed control	121	-	133	47%	-	52%
		step	enables the automatic display blackout	134	-	185	53%	-	73%
			disables the automatic display blackout	186	-	199	73%	-	78%
			no effect	200	-	255	78%	-	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:** 0.79
Edition: 3	**Date:** 21.05.2021	

LEDko FullSpectrum 6 HD Studio
DMX chart (fine RGB mode)

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%
		step	3.200 K	31	-	45	12%	-	18%
		proportional	proportional value from 3.200 K to 4.000 K	46	-	60	18%	-	24%
		step	4.000 K	61	-	75	24%	-	29%
		proportional	proportional value from 4.000 K to 5.000 K	76	-	90	30%	-	35%
		step	5.000 K	91	-	105	36%	-	41%
		proportional	proportional value from 5.000 K to 5.600 K	106	-	120	42%	-	47%
		step	5.600 K	121	-	135	47%	-	53%
		proportional	proportional value from 5.600 K to 7.000 K	136	-	150	53%	-	59%
		step	7.000 K	151	-	165	59%	-	65%
		proportional	proportional value from 7.000 K to 8.000 K	166	-	180	65%	-	71%
		step	8.000 K	181	-	195	71%	-	76%
		proportional	proportional value from 8.000 K to 9.000 K	196	-	210	77%	-	82%
		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%
10[1]	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%
		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%

12	special functions	step	park	0	-	9	0%	-	4%
			no effect	10	-	84	4%	-	33%
			fan at low-noise speed	85	-	96	33%	-	38%
			fan at studio mode	97	-	108	38%	-	42%
			fan at auto-silent speed	109	-	120	43%	-	47%
		proportional	fan speed control	121	-	133	47%	-	52%
		step	enables the automatic display blackout	134	-	185	53%	-	73%
			disables the automatic display blackout	186	-	199	73%	-	78%
			no effect	200	-	255	78%	-	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:** 0.79
Edition: 3	**Date:** 21.05.2021	

LEDko FullSpectrum 6 HD Studio
DMX chart (SUNRISE mode)

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	proportional cct	proportional	2.700 K	0	0%
		proportional	proportional value from 2.700 K to 4000 K	1 - 44	0% - 17%
		proportional	4.000 K	45	18%
		proportional	proportional value from 4.000 to 5.000 K	46 - 79	18% - 31%
		proportional	5.000K	80	31%
		proportional	proportional value from 5.000 to 5.600 K	81 - 100	32% - 39%
		proportional	5.600K	101	40%
		proportional	proportional value from 5.600 K to 10.000 K	102 - 254	40% - 100%
		proportional	10.000 K	255	100%
4	step cct	step	no effect	0 - 9	0% - 4%
		step	2.700 K	10 - 36	4% - 14%
		step	3.200K	37 - 63	15% - 25%
		step	4.000K	64 - 90	25% - 35%
		step	5.000K	91 - 117	36% - 46%
		step	5.600K	118 - 144	46% - 56%
		step	7.000K	145 - 171	57% - 67%
		step	8.000K	172 - 198	67% - 78%
		step	9.000K	199 - 225	78% - 88%
		step	10.000K	226 - 255	89% - 100%
5	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%
6	special functions	step	park	0 - 9	0% - 4%
			no effect	10 - 84	4% - 33%
			fan at low-noise speed	85 - 96	33% - 38%
			fan at studio mode	97 - 108	38% - 42%
			fan at auto-silent speed	109 - 120	43% - 47%
		proportional	fan speed control	121 - 133	47% - 52%
		step	enables the automatic display blackout	134 - 185	53% - 73%
			disables the automatic display blackout	186 - 199	73% - 78%
			no effect	200 - 255	78% - 100%

Note 1: If channels 3 and 4 are used simultaneously, channel 4 prevails.

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