

# DMX chart - LEDko FullSpectrum 2 + RGBL

## DMX modes

DMX channels ↓	11 channels	8 channels	1 channel	Studio mode	RGBL mode	Sunrise mode
1	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer	Red	Master Dimmer
2	Red	Red		White Tone	Green	Dimmer Fine
3	Green	Green		Green Saturation	Blue	Proportional CCT
4	Blue	Blue		Saturation	Lime	Step CCT
5	Lime	Lime		Hue		Green Saturation
6	Strobe Effect	Strobe Effect		Dimmer Fine		
7	Dimmer Fine	Dimmer Fine		Special Function		
8	Special Function	Special Function				
9	White Tone					
10	Green Saturation					
11	Saturation					

## 11, 8, 1 channels

channel			function	type of control	effect	decimal		percentage	
11	8	1							
1	1	1	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	-	lime	proportional	proportional control of the color percentage from 0% to 100%	0	- 255	0%	- 100%
6	6	-	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 pulsed strobe, slow closing, fast operating (variable speed pulsing, from slow to fast)	60	- 108	24%	- 42%
				step	stop strobe	109	- 110	43%	- 43%
				proportional	sequenced pulsed strobe, fast closing, slow operating (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 and synchronized colors	162	- 207	64%	- 81%
				step	stop strobe	208	- 209	82%	- 82%
				proportional	random strobe effect with variable speed from slow to fast and non-synchronized colors	210	- 255	82%	- 100%
7	7	-	dimmer fine	proportional	fine dimmer control 16 bit	0	- 255	0%	- 100%
8	8	-	special functions	step	park	0	- 9	0%	- 4%
					600 Hz	10	- 22	4%	- 9%
					no effect	23	- 84	9%	- 33%
					fan at SILENT mode	85	- 96	33%	- 38%
					fan at STUDIO mode	97	- 108	38%	- 42%
					fan at AUTO mode	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%
					LED control frequency tuning 1.500 Hz	200	- 205	78%	- 80%
LED control frequency tuning 2.000 Hz	206	- 211	81%		- 83%				
	LED control frequency tuning 5.000 Hz	212	- 217	83%	- 85%				
	no effect	218	- 240	85%	- 94%				
	LED control frequency tuning 20.000 Hz	241	- 255	95%	- 100%				

9	-	-	white tone	step	no effect	0	-	9	0%	-	4%
					2.700 K	10	-	15	4%	-	6%
				proportional	proportional value from 2.700 to 3.200 K	16	-	30	6%	-	12%
				step	3.200 K	31	-	45	12%	-	18%
				proportional	proportional value from 3.200 to 4.000 K	46	-	60	18%	-	24%
				step	4.000 K	61	-	75	24%	-	29%
				proportional	proportional value from 4.000 to 5.000 K	76	-	90	30%	-	35%
				step	5.000 K	91	-	105	36%	-	41%
				proportional	proportional value from 5.000 to 5.600 K	106	-	120	42%	-	47%
				step	5.600 K	121	-	135	47%	-	53%
				proportional	proportional value from 5.600 to 7.000 K	136	-	10	53%	-	59%
step	7.000 K	151	-	165	59%	-	65%				
proportional	proportional value from 7.000 to 8.000 K	166	-	180	65%	-	71%				
step	8.000 K	181	-	195	71%	-	76%				
proportional	proportional value from 8.000 to 9.000 K	196	-	210	77%	-	82%				
step	9.000 K	211	-	225	83%	-	88%				
proportional	proportional value from 9.000 to 10.000 K	226	-	240	89%	-	94%				
step	10.000 K	241	-	255	95%	-	100%				
10	-	-	green saturation	step	no effect	0			0%		
				proportional	exalts the green color in the mixing and diminishes the presence of magenta	1	-	127	0%	-	50%
				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%		
11	-	-	saturation	proportional	the white tone fades to the tone built with the RGLB channels	0	-	255	0%	-	100%

**Note 1:** the one channel function mode can be selected through the DMX function menu. The color of the light will be a white 5.600 K.

**Note 2:** the rest position of the +-green DMX channel is 128. Diminishing the DMX value augments the presence of the green color. Increasing the DMX value augments the presence of magenta

**Note 3:** increasing the value of the Saturation DMX channel the white light will fade to the color selected with the Color Wheel DMX channel.

**Projector:** LEDko FS 2 + RGLB

**Chart name:** DMX512 function

**Software version:** 0.76 or following

## 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 5.000 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%		
3 <sup>1</sup>	green saturation	step	no effect	0	0%
		proportional	exalts the green color in the mixing and diminishes the presence of magenta	1 - 127	0% - 50%
		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 <sup>2</sup>	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%
			600 Hz	10 - 22	4% - 9%
			no effect	23 - 84	9% - 33%
			fan at SILENT mode	85 - 96	33% - 38%
			fan at STUDIO mode	97 - 108	38% - 42%
			fan at AUTO mode	109 - 120	43% - 47%
		proportional	fan speed control	121 - 133	47% - 52%
			enables the automatic display blackout	134 - 185	53% - 73%
		step	disables the automatic display blackout	186 - 199	73% - 78%
			LED control frequency tuning 1.500 Hz	200 - 205	78% - 80%
			LED control frequency tuning 2.000 Hz	206 - 211	81% - 83%
			LED control frequency tuning 5.000 Hz	212 - 217	83% - 85%
			no effect	218 - 240	85% - 94%
			LED control frequency tuning 20.000 Hz	241 - 255	95% - 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 FS 2 + RGLB

Chart name: DMX512 function

**Software version:** 0.76  
or following

## RGBL mode

channel 4	function	type of control	effect	decimal	percentage
1	red	proportional	proportional control of the color percentage from 0% to 100%	0 - 255	0% - 100%
2	green	proportional	proportional control of the color percentage from 0% to 100%	0 - 255	0% - 100%
3	blue	proportional	proportional control of the color percentage from 0% to 100%	0 - 255	0% - 100%
4	lime	proportional	proportional control of the color percentage from 0% to 100%	0 - 255	0% - 100%
<b>Projector:</b> LEDko FS 2 + RGBL			<b>Chart name:</b> DMX512 function	<b>Software version:</b> 0.76 or following	

## 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 value from 2.700 K to 4000 K	1	- 44	0%	- 17%
			4.000 K	45		18%	
			proportional value from 4.000 to 5.000 K	46	- 79	18%	- 31%
			5.000 K	80		31%	
			proportional value from 5.000 to 5.600 K	81	- 100	32%	- 39%
			5.600 K	101		40%	
proportional value from 5.600 K to 10.000 K	102	- 254	40%	- 100%			
			10.000 K	255		100%	
4	step CCT	step	no effect	0	- 9	0%	- 4%
			2.700 K	10	- 36	4%	- 14%
			3.200 K	37	- 63	15%	- 25%
			4.000 K	64	- 90	25%	- 35%
			5.000 K	91	- 117	36%	- 46%
			5.600 K	118	- 144	46%	- 56%
			7.000 K	145	- 171	57%	- 67%
			8.000 K	172	- 198	67%	- 78%
			9.000 K	199	- 225	78%	- 88%
			10.000 K	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%	- 50%
		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%
			600 Hz	10 - 22	4% - 9%
			no effect	23 - 84	9% - 33%
			fan at SILENT mode	85 - 96	33% - 38%
			fan at STUDIO mode	97 - 108	38% - 42%
			fan at AUTO mode	109 - 120	43% - 47%
			fan speed control	121 - 133	47% - 52%
			enables the automatic display blackout	134 - 185	53% - 73%
			disables the automatic display blackout	186 - 199	73% - 78%
			LED control frequency tuning 1.500 Hz	200 - 205	78% - 80%
			LED control frequency tuning 2.000 Hz	206 - 211	81% - 83%
			LED control frequency tuning 5.000 Hz	212 - 217	83% - 85%
			no effect	218 - 240	85% - 94%
			LED control frequency tuning 20.000 Hz	241 - 255	95% - 100%

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

**Projector:** LEDko FS 2 + RGBL

**Chart name:** DMX512 function

**Software version:** 0.76  
or following