

DMX chart - LEDko FullSpectrum RGBW +

DMX modes

DMX channels ↓	14 channels	8 channels	1 channel	Studio mode	RGBW 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	White	Step CCT
5	White	White		Hue		Green Saturation
6	Strobe Effect	Strobe Effect		Dimmer Fine		
7	Dimmer Fine	Dimmer Fine		Special Function		
8	Special Function	Special Function				
9	Red Tone					
10	Green Tone					
11	Blue Fine					
12	White Tone					
13	Green Saturation					
14	Saturation					

14, 8, 1 channels

channel			function	type of control	effect	decimal			percentage		
14	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	-	white	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%
					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	-	-	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%
10	-	-	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%
11	-	-	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%

12	-	-	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%
13	-	-	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%			
14	-	-	saturation	proportional	the white tone fades to the tone built with the RGBW channels	0	-	255	0%	-	100%
Note 1: color macros of channels 9 -10 -11 - 12 can also be obtained through the mixing of channels 2 - 3 - 4 - 5.											
Note 2: 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 3: 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 4: 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 FullSpectrum 2 +					Chart name: DMX512 function				Software version: 0.75 or following		
Edition: 1					Date: 21.02.2023						

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	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%
			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%

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 2 +

Edition: 1

Chart name: DMX512 function

Date: 21.02.2023

Software version: 0.75 or following

RGBW mode

channel	function	type of control	effect	decimal			percentage		
4									
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	white	proportional	proportional control of the color percentage from 0% to 100%	0	-	255	0%	-	100%
Projector: LEDko FullSpectrum 2 +			Chart name: DMX512 function Date: 21.02.2023	Software version: 0.75 or following					
Edition: 1									

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%	-	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%		

5	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%
			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%
		step	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 FullSpectrum 2 +

Chart name: DMX512 function

Software version: 0.75 or

Edition: 1

Date: 21.02.2023

following