

Reflection LEDko EXT FullSpectrum
DMX Chart (17 ch)

channel	function	type of control	effect	decimal	percentage
17ch					
1	master dimmer	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
2	red	proportional	proportional control of the color percentage from 0 to 100%	0 - 255	0% - 100%
3	green	proportional	proportional control of the color percentage from 0 to 100%	0 - 255	0% - 100%
4	blue	proportional	proportional control of the color percentage from 0 to 100%	0 - 255	0% - 100%
5	white	proportional	proportional control of the color white percentage from 0 to 100%	0 - 255	0% - 100%
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 opening (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 opening (variable speed pulsing, from slow to fast)	111 - 159	44% - 62%
		step	stop strobe	160 - 161	63% - 63%
		proportional	strobe effect with random flashes and synchronous colours (variable speed from slow to fast)	162 - 207	64% - 81%
		step	stop strobe	208 - 209	82% - 82%
proportional	strobe effect with random flashes and synchronous colours (variable speed from slow to fast)	210 - 255	82% - 100%		
7	dimmer fine	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
8	special functions	step	no effect	0 - 71	0% - 28%
			600 Hz	72 - 84	28% - 33%
			fan at low-noise speed	85 - 96	33% - 38%
			fan at auto speed	97 - 108	38% - 42%
		proportional	fan speed control from minimum to maximum	109 - 120	43% - 47%
		step	no effect	121 - 133	47% - 52%
			LCD display off	134 - 185	53% - 73%
			LCD display on	186 - 199	73% - 78%
			LED control frequency tuning 1000 Hz	200 - 205	78% - 80%
			LED control frequency tuning 3000 Hz	206 - 211	81% - 83%
			LED control frequency tuning 6000 Hz	212 - 217	83% - 85%
			LED control frequency tuning 8000 Hz	218 - 223	85% - 87%
			LED control frequency tuning 10000 Hz	224 - 229	88% - 90%
			LED control frequency tuning 12000 Hz	230 - 235	90% - 92%
			LED control frequency tuning 14000 Hz	236 - 241	93% - 95%
LED control frequency tuning 16000 Hz	242 - 247		95% - 97%		
LED control frequency tuning 19000 Hz	248 - 255	97% - 100%			

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DMX Chart (17 ch)

channel	function	type of control	effect	decimal	percentage
17ch					
9	red tone	step	no effect	0 - 9	0% - 4%
			RED Preset 1	10 - 71	4% - 28%
			RED Preset 2	72 - 133	28% - 52%
			RED Preset 3	134 - 195	53% - 76%
			RED Preset 4	196 - 255	77% - 100%
10	green tone	step	no effect	0 - 9	0% - 4%
			GREEN Preset 1	10 - 71	4% - 28%
			GREEN Preset 2	72 - 133	28% - 52%
			GREEN Preset 3	134 - 195	53% - 76%
			GREEN Preset 4	196 - 255	77% - 100%
11	blue tone	step	no effect	0 - 9	0% - 4%
			BLUE Preset 1	10 - 71	4% - 28%
			BLUE Preset 2	72 - 133	28% - 52%
			BLUE Preset 3	134 - 195	53% - 76%
			BLUE Preset 4	196 - 255	77% - 100%
12	white tone	step	no effect	0 - 9	0% - 4%
		step	WHITE 3200K	10 - 15	4% - 6%
		proportional	proportional value from 3200K to 4000K	16 - 30	6% - 12%
		step	WHITE 4000K	31 - 45	12% - 18%
		proportional	proportional value from 4000K to 5000K	46 - 60	18% - 24%
		step	WHITE 5000K	61 - 75	24% - 29%
		proportional	proportional value from 5000K to 5600K	76 - 90	30% - 35%
		step	WHITE 5600K	91 - 105	36% - 41%
		proportional	proportional value from 5600K to 6000K	106 - 120	42% - 47%
		step	WHITE 6000K	121 - 135	47% - 53%
		proportional	proportional value from 6000K to 7000K	136 - 150	53% - 59%
		step	WHITE 7000K	151 - 165	59% - 65%
		proportional	proportional value from 7000K to 8000K	166 - 180	65% - 71%
		step	WHITE 8000K	181 - 195	71% - 76%
		proportional	proportional value from 8000K to 9000K	196 - 210	77% - 82%
		step	WHITE 9000K	211 - 225	83% - 88%
		proportional	proportional value from 9000K to 10000K	226 - 240	89% - 94%
13	plus / minus green saturation	step	no effect	0	0%
		proportional	diminishes the presence of green in the mixing and exalts the magenta color	1 - 127	0% - 50%
		step	no effect	128	50%
		proportional	exalts the green color in the mixing and diminishes the presence of magenta	129 - 254	51% - 100%
		step	no effect	255	100%
14	saturation	proportional	the white tone fades to the tone built with the RGBW channels	0 - 255	0% - 100%

Reflection LEDko EXT FullSpectrum
DMX Chart (17 ch)

channel	function	type of control	effect	decimal	percentage
17ch					
15	master gobo rotator	proportional	adjust proportionally the both gobo's speed	0 - 255	0% - 100%
16	gobo 1 speed	step	gobo in stop	0	0%
		proportional	control the gobo 1 speed counterclockwise (from fast to slow)	1 - 125	0% - 49%
		step	gobo in stop	126 - 129	49% - 51%
		proportional	control the gobo 1 speed clockwise (from slow to fast)	130 - 254	51% - 100%
		step	gobo in stop	255	100%
17	gobo 2 speed	step	gobo in stop	0	0%
		proportional	control the gobo 2 speed counterclockwise (from fast to slow)	1 - 125	0% - 49%
		step	gobo in stop	126 - 129	49% - 51%
		proportional	control the gobo 2 speed clockwise (from slow to fast)	130 - 254	51% - 100%
		step	gobo in stop	255	100%
NOTE 1: color macros of channels 9 -10 -11 - 12 have priority on the colors obtained through the mixing of channels 2 - 3 - 4 - 5.					
NOTE 2: the rest position of the plus / minus green saturation DMX channel (13) is 128. If the white tone DMX channel (12) is active, diminishing the DMX value, the presence of the magenta increasing. Opposites values increasing the presence of green color.					
NOTE 3: increasing the value of the Saturation DMX channel (14), the white tone DMX channel (12) will fade to the color selected with the RGBW DMX channel (2 - 3 - 4 - 5).					
Projector: Reflection LEDko Full Spectrum 2		Table name: DMX 512 function			Software version from
Table Number: 357/377		Edition: 2	Date: 01.05.2018		1.08 or following

Reflection LEDko EXT FullSpectrum
DMX Chart (11 ch)

channel	function	type of control	effect	decimal	percentage
11ch					
1	master dimmer	proportional	adjust luminous output intensity from 0 to 100%	0 - 255	0% - 100%
2	red	proportional	proportional control of the color percentage from 0 to 100%	0 - 255	0% - 100%
3	green	proportional	proportional control of the color percentage from 0 to 100%	0 - 255	0% - 100%
4	blue	proportional	proportional control of the color percentage from 0 to 100%	0 - 255	0% - 100%
5	white	proportional	proportional control of the color white percentage from 0 to 100%	0 - 255	0% - 100%
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 opening (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 opening (variable speed pulsing, from slow to fast)	111 - 159	44% - 62%
		step	stop strobe	160 - 161	63% - 63%
		proportional	strobe effect with random flashes and synchronous colours (variable speed from slow to fast)	162 - 207	64% - 81%
		step	stop strobe	208 - 209	82% - 82%
proportional	strobe effect with random flashes and synchronous colours (variable speed from slow to fast)	210 - 255	82% - 100%		
7	dimmer fine	proportional	fine dimmer control 16 bit	0 - 255	0% - 100%
8	special functions	step	no effect	0 - 71	0% - 28%
			600 Hz	72 - 84	28% - 33%
			fan at low-noise speed	85 - 96	33% - 38%
			fan at auto speed	97 - 108	38% - 42%
		proportional	fan speed control from minimum to maximum	109 - 120	43% - 47%
		step	no effect	121 - 133	47% - 52%
			LCD display off	134 - 185	53% - 73%
			LCD display on	186 - 199	73% - 78%
			LED control frequency tuning 1000 Hz	200 - 205	78% - 80%
			LED control frequency tuning 3000 Hz	206 - 211	81% - 83%
			LED control frequency tuning 6000 Hz	212 - 217	83% - 85%
			LED control frequency tuning 8000 Hz	218 - 223	85% - 87%
			LED control frequency tuning 10000 Hz	224 - 229	88% - 90%
			LED control frequency tuning 12000 Hz	230 - 235	90% - 92%
			LED control frequency tuning 14000 Hz	236 - 241	93% - 95%
LED control frequency tuning 16000 Hz	242 - 247		95% - 97%		
LED control frequency tuning 19000 Hz	248 - 255	97% - 100%			

Reflection LEDko EXT FullSpectrum
DMX Chart (11 ch)

channel	function	type of control	effect	decimal	percentage
11ch					
9	master gobo rotator	proportional	adjust proportionally the both gobo's speed	0 - 255	0% - 100%
10	gobo 1 speed	step	gobo in stop	0	0%
		proportional	control the gobo 1 speed counterclockwise (from fast to slow)	1 - 125	0% - 49%
		step	gobo in stop	126 - 129	49% - 51%
		proportional	control the gobo 1 speed clockwise (from slow to fast)	130 - 254	51% - 100%
		step	gobo in stop	255	100%
11	gobo 2 speed	step	gobo in stop	0	0%
		proportional	control the gobo 2 speed counterclockwise (from fast to slow)	1 - 125	0% - 49%
		step	gobo in stop	126 - 129	49% - 51%
		proportional	control the gobo 2 speed clockwise (from slow to fast)	130 - 254	51% - 100%
		step	gobo in stop	255	100%
Projector: Reflection LEDko Full Spectrum 2			Table name: DMX 512 function		Software version from
Table Number: 357/377			Edition: 2		1.08 or following
			Date: 01.05.2018		

Reflection LEDko EXT FullSpectrum
 DMX Chart (7 ch)

channel	function	type of control	effect	decimal		percentage	
7ch							
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 white percentage from 0 to 100%	0	- 255	0%	- 100%
5	master gobo rotator	proportional	adjust proportionally the both gobo's speed	0	- 255	0%	- 100%
6	gobo 1 speed	step	gobo in stop	0		0%	
		proportional	control the gobo 1 speed counterclockwise (from fast to slow)	1	- 125	0%	- 49%
		step	gobo in stop	126	- 129	49%	- 51%
		proportional	control the gobo 1 speed clockwise (from slow to fast)	130	- 254	51%	- 100%
		step	gobo in stop	255		100%	
7	gobo 2 speed	step	gobo in stop	0		0%	
		proportional	control the gobo 2 speed counterclockwise (from fast to slow)	1	- 125	0%	- 49%
		step	gobo in stop	126	- 129	49%	- 51%
		proportional	control the gobo 2 speed clockwise (from slow to fast)	130	- 254	51%	- 100%
		step	gobo in stop	255		100%	
Projector: Reflection LEDko Full Spectrum 2			Table name: DMX 512 function		Software version from 1.08 or following		
Table Number: 357/377		Edition: 2	Date: 01.05.2018				

Reflection LEDko EXT FullSpectrum
 DMX Chart (4 ch)

channel	function	type of control	effect	decimal		percentage	
4ch							
1	master dimmer	proportional	adjust luminous output intensity from 0 to 100%	0	- 255	0%	- 100%
2	master gobo rotator	proportional	adjust proportionally the both gobo's speed	0	- 255	0%	- 100%
3	gobo 1 speed	step	gobo in stop	0		0%	
		proportional	control the gobo 1 speed counterclockwise (from fast to slow)	1	- 125	0%	- 49%
		step	gobo in stop	126	- 129	49%	- 51%
		proportional	control the gobo 1 speed clockwise (from slow to fast)	130	- 254	51%	- 100%
		step	gobo in stop	255		100%	
4	gobo 2 speed	step	gobo in stop	0		0%	
		proportional	control the gobo 2 speed counterclockwise (from fast to slow)	1	- 125	0%	- 49%
		step	gobo in stop	126	- 129	49%	- 51%
		proportional	control the gobo 2 speed clockwise (from slow to fast)	130	- 254	51%	- 100%
		step	gobo in stop	255		100%	
NOTE 1: the one channel function can be selected through the DMX function menu. The color of the light will be a white 5600 K.							
Projector: Reflection LEDko Full Spectrum 2			Table name: DMX 512 function			Software version from 1.08 or following	
Table Number: 357/377		Edition: 2	Date: 01.05.2018				

channel	function	type of control	effect	decimal		percentage	
10ch							
1	master dimmer	proportional	adjust luminous output intensity from 0 to 100%	0	- 255	0%	- 100%
2	white tone	step	WHITE 3200K	0	- 15	0%	- 6%
		proportional	proportional value from 3200K to 4000K	16	- 30	6%	- 12%
		step	WHITE 4000K	31	- 45	12%	- 18%
		proportional	proportional value from 4000K to 5000K	46	- 60	18%	- 24%
		step	WHITE 5000K	61	- 75	24%	- 29%
		proportional	proportional value from 5000K to 5600K	76	- 90	30%	- 35%
		step	WHITE 5600K	91	- 105	36%	- 41%
		proportional	proportional value from 5600K to 6000K	106	- 120	42%	- 47%
		step	WHITE 6000K	121	- 135	47%	- 53%
		proportional	proportional value from 6000K to 7000K	136	- 150	53%	- 59%
		step	WHITE 7000K	151	- 165	59%	- 65%
		proportional	proportional value from 7000K to 8000K	166	- 180	65%	- 71%
		step	WHITE 8000K	181	- 195	71%	- 76%
		proportional	proportional value from 8000K to 9000K	196	- 210	77%	- 82%
		step	WHITE 9000K	211	- 225	83%	- 88%
		proportional	proportional value from 9000K to 10000K	226	- 240	89%	- 94%
step	WHITE 10000K	241	- 255	95%	- 100%		
3	plus / minus green saturation	step	no effect	0		0%	
		proportional	diminishes the presence of green in the mixing and exalts the magenta color	1	- 127	0%	- 50%
		step	no effect	128		50%	
		proportional	exalts the green color in the mixing and diminishes the presence of magenta	129	- 254	51%	- 100%
		step	no effect	255		100%	
4	saturazione	proportional	the white tone fades to the tone built with the RGBW channels	0	- 255	0%	- 100%
5	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%

Reflection LEDko EXT FullSpectrum
DMX Chart (10 ch)

channel	function	type of control	effect	decimal	percentage
10ch					
7	special functions	step	no effect	0 - 71	0% - 28%
			600 Hz	72 - 84	28% - 33%
			fan at low-noise speed	85 - 96	33% - 38%
			fan at auto speed	97 - 108	38% - 42%
		proportional	fan speed control from minimum to maximum	109 - 120	43% - 47%
		step	no effect	121 - 133	47% - 52%
			LCD display off	134 - 185	53% - 73%
			LCD display on	186 - 199	73% - 78%
			LED control frequency tuning 1000 Hz	200 - 205	78% - 80%
			LED control frequency tuning 3000 Hz	206 - 211	81% - 83%
			LED control frequency tuning 6000 Hz	212 - 217	83% - 85%
			LED control frequency tuning 8000 Hz	218 - 223	85% - 87%
			LED control frequency tuning 10000 Hz	224 - 229	88% - 90%
			LED control frequency tuning 12000 Hz	230 - 235	90% - 92%
			LED control frequency tuning 14000 Hz	236 - 241	93% - 95%
			LED control frequency tuning 16000 Hz	242 - 247	95% - 97%
LED control frequency tuning 19000 Hz	248 - 255		97% - 100%		
8	master gobo rotator	proportional	adjust proportionally the both gobo's speed	0 - 255	0% - 100%
9	gobo 1 speed	step	gobo in stop	0	0%
		proportional	control the gobo 1 speed counterclockwise (from fast to slow)	1 - 125	0% - 49%
		step	gobo in stop	126 - 129	49% - 51%
		proportional	control the gobo 1 speed clockwise (from slow to fast)	130 - 254	51% - 100%
		step	gobo in stop	255	100%
10	gobo 2 speed	step	gobo in stop	0	0%
		proportional	control the gobo 2 speed counterclockwise (from fast to slow)	1 - 125	0% - 49%
		step	gobo in stop	126 - 129	49% - 51%
		proportional	control the gobo 2 speed clockwise (from slow to fast)	130 - 254	51% - 100%
		proportional	gobo in stop	255	100%

NOTE 1: the rest position of the plus / minus green saturation DMX channel (3) is 128. If the white tone DMX channel (2) is active, diminishing the DMX value, the presence of the magenta increasing. Opposites values increasing the presence of green color.

NOTE 2: increasing the value of the saturation DMX channel (4), the color temperature DMX channel (2) will fade to the color selected with the hue DMX channel (5).

NOTE 3: to use the hue DMX channel (5), it is necessary increasing the value of the saturation DMX channel (4) from the rest position.

Projector: Reflection LEDko Full Spectrum 2

Table name: DMX 512 function

Software version from
1.08 or following

Table Number: 357/377

Edition: 1

Date: 10/10/2016