

## 1500 II Spot - DMX Protocol

Revision: A							Valid from firmware version: 5.0			
DMX mode Standard (31ch) Simplified (28ch) Extended (37ch)			Name	DMX value		DMX percentage		Function	Default DMX Value	
				0	31	0.0%	12.2%	Closed		
				32 64	63 127	12.5% 25.1%	24.7% 49.8%	Open Synchronous strobe from slow to fast	1	
1	1	1	Strobe/Shutter	128	159	50.2%	62.4%	Open	0(0%)	
				160	223	62.7%	87.5%	Random strobe from slow to fast		
				224	255	87.8%	100.0%	Open		
2	2	2	lata a alta	0	255	0.0%	100.0%	No light → Full light	0/00/)	
3		3	Intensity	0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	0(0%)	
4	3	4	Cyan	0	255	0.0%	100.0%	White → Full cyan	0(0%)	
		5	Oyan	0	65535	0.0%	100.0%	Cyan fade, fine (LSB)	0(070)	
5	4	6	Magenta	0	255	0.0%	100.0%	White → Full magenta	0(0%)	
		7		0	65535	0.0%	100.0%	Magenta fade, fine (LSB)	- ( )	
6	5	8	Yellow	0	255	0.0%	100.0%	White → Full yellow	0(0%)	
		9		0	65535	0.0%	100.0%	Yellow fade, fine (LSB)		
7	6	10	CMV color macro	16	15 135	0.0% 6.3%	5.9% 52.9%	CMY color macro off CMY synchronous color from slow to fast	0(0%)	
,	7	10	CMY color macro	136	255	53.3%	100.0%	CMY random color from slow to fast	0(078)	
8		11		0	255	0.0%	100.0%	Warm → Cold	<del>                                     </del>	
Ü	,	12	СТО	0	65535	0.0%	100.0%	CTO fade, fine (LSB)	0(0%)	
		12		0	15	0.0%	5.9%	Open		
				16	31	6.3%	12.2%	Color 1		
				32	47	12.5%	18.4%	Color 2	1	
			!	48	63	18.8%	24.7%	Color 3	1	
				64	79	25.1%	31.0%	Color 4	]	
9	8	13	Color wheel	80	95	31.4%	37.3%	Color 5	0(0%)	
				96	111	37.6%	43.5%	Color 6		
				112	127	43.9%	49.8%	Color 7		
				128	187	50.2%	73.3%	Color continous rotation CW from slow to fast		
				188	195	73.7%	76.5%	Stop		
				196	255	76.9%	100.0%	Color continous rotation CCW from slow to fast		
				0	9	0.0%	3.5%	Open gobo	4	
				10	19	3.9%	7.5%	Gobo 1		
				20	29	7.8%	11.4%	Gobo 2 Gobo 3		
				30 40	39	11.8% 15.7%	15.3% 19.2%	Gobo 4		
				50	49	19.6%	23.1%	Gobo 5	-	
	9	14	Rotating gobo wheel 1	60	59 69	23.5%	27.1%	Gobo 6	0(0%)	
10				70	79	27.5%	31.0%	Gobo 1 shake		
				80	89	31.4%	34.9%	Gobo 2 shake		
				90	99	35.3%	38.8%	Gobo 3 shake		
				100	109	39.2%	42.7%	Gobo 4 shake		
				110	119	43.1%	46.7%	Gobo 5 shake		
				120	127	47.1%	49.8%	Gobo 6 shake		
				128	187	50.2%	73.3%	Gobo wheel continous rotation CW from slow to fast		
				188	195	73.7%	76.5%	Stop	0(0%)	
				196	255	76.9%	100.0%	Gobo wheel continous rotation CCW from slow to fast		
				0	127	0.0%	49.8%	Gobo rotation/positioning		
11	10	15	Gobo rotating/positioning gobo wheel 1	128	187	50.2%	73.3%	Gobo continous rotation CW from slow to fast		
				188	195	73.7%	76.5%	Stop		
40				196	255	76.9%	100.0%	Gobo continous rotation CCW from slow to fast		
12		16		0	65535	0.0%	100.0%	Gobo rotation/positioning, fine (LSB)		
	11	17		0 28	27	0.0% 11.0%	10.6% 14.5%	Open gobo Gobo 1		
				38	37	14.9%	18.4%	Gobo 2		
				48	47 57	18.8%	22.4%	Gobo 3		
				58	67	22.7%	26.3%	Gobo 4		
				68	77	26.7%	30.2%	Gobo 5	0(0%)	
				78	87	30.6%	34.1%	Gobo 1 shake		
13			Rotating gobo wheel 2	88	97	34.5%	38.0%	Gobo 2 shake		
				98	107	38.4%	42.0%	Gobo 3 shake		
				108	117	42.4%	45.9%	Gobo 4 shake		
				118	127	46.3%	49.8%	Gobo 5 shake		
				128	187	50.2%	73.3%	Gobo wheel continous rotation CW from slow to fast	]	
				188	195	73.7%	76.5%	Stop		
14				196	255	76.9%	100.0%	Gobo wheel continous rotation CCW from slow to fast		
				0	127	0.0%	49.8%	Gobo rotation positioning	4	
	12	18		128	187	50.2%	73.3%	Gobo continous rotation CW from slow to fast	0(0%)	
			Gobo rotating/positioning gobo wheel 2	188	195	73.7%	76.5%	Stop	1	
				196	255	76.9%	100.0%	Gobo continous rotation CCW from slow to fast	4	
15		19		0	65535	0.0%	100.0%	Gobo rotation/positioning, fine (LSB)	1	
16	13	20	Effect wheel (Fire)	0	31 255	0.0%	12.2%	Open fire wheel cut in	0(0%)	
				32	255 127	12.5%	100.0%	fire wheel cut-in Indexed	-	
	Ī			0 128	127	0.0% 50.2%	49.8%	Continous rotation CW from slow to fast	+	
					. 107	111//0	73.3%	I COLIMITORS LOTATION ON HOME SION TO 1921		
17	14	21	Effect wheel rotation (Fire)	188	195	73.7%	76.5%	Stop	0(0%)	

18										
18					0	15	0.0%	5.9%	Open	
18					16	23	6.3%	9.0%		
18					24	31	9.4%	12.2%	Gobo 2	
18					32	39	12.5%	15.3%	Gobo 3	
18					40	47	15.7%	18.4%	Gobo 4	
16 15 22 Gobo wheel (static) 71 77 79 79 79 79 79 79 79 79 79 79 79 79					48	55	18.8%	21.6%	Gobo 5	
18					56	63	22.0%	24.7%	Gobo 6	
19 15 22 Uodoo winker (Harko) 80 67 31.4m, 34.1m, Good 2 stakes				Gobo wheel (static)	64	71	25.1%	27.8%	Gobo 7	0(0%)
80   87   11.4 m   34.1 m   2000 2 activate	18	15	22		72	79	28.2%	31.0%	Gobo 1 shake	
96   103   37.6%   40.9%	.0				80	87	31.4%	34.1%	Gobo 2 shake	
194					88	95	34.5%	37.3%	Gobo 3 shake	
112   119   43.5%   46.7%   50.0%					96	103	37.6%	40.4%	Gobo 4 shake	
100   127   47%   48,8%   600 or Tanke   188   195   77%   76,9%   76,9%   188   195   77%   76,9%   76,9%   188   195   77%   76,9%   188   195   77%   76,9%   188   195   77%   76,9%   188   195   77%   76,9%   188   195   77%   76,9%   188   195   77%   76,9%   188   195   77%   76,9%   188   195   77%   76,9%   188   188   195   77%   76,9%   188   18	•				104	111	40.8%	43.5%	Gobo 5 shake	
128					112	119	43.9%	46.7%	Gobo 6 shake	
188   195   73.7%   78.5%   37.6%   78.9%   19.0%					120	127	47.1%	49.8%	Gobo 7 shake	
19					128	187	50.2%	73.3%	Gobo wheel continous rotation CW from slow to fast	
19					188	195	73.7%	76.5%	Stop	
20					196	255	76.9%	100.0%	Gobo wheel continous rotation CCW from slow to fast	
20	19	16	23	Iris	0	255	0.0%	100.0%		0(0%)
24				Iris macro	0	31	0.0%	12.2%	Disable Iris macro	
20					32	63	12.5%	24.7%	Effect - Synchronous open from fast to slow	
128					64	95	25.1%	37.3%	Effect - Synchronous off from slow to fast	
190	20	17	24		96	127	37.6%	49.8%	Effect - Random open from slow to fast	0(0%)
192   255   75.3%   100.0%   Deable fes marco					128	159	50.2%	62.4%	Effect - Random off from fast to slow	
21 18 25 Focus 0 255 0.0% 100.0% Near → Far 0(0%)  22 19 27 Zoom 0 255 0.0% 100.0% Near → Far 0(0%)  23 20 29 Prism 0 31 0.0% 100.0% Scorn, fine (LSB)  24 21 30 Prism rotation 188 195 73.7% 75.8% 196 255 78.9% 100.0% Prism continous rotation CW from slow to fast 195 73.7% 75.8% 196 255 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0% 100.0% Prism continous rotation CW from slow to fast 195 25 78.9% 100.0%					160	191	62.7%	74.9%	Strobe follow from slow to fast	]
Pour					192	255	75.3%	100.0%	Disable Iris macro	
26	21	18	25	F	0	255	0.0%	100.0%	Near → Far	0/00/)
28				Focus	0	65535	0.0%	100.0%	Focus, fine (LSB)	0(0%)
28	22	19	27	7	0	255	0.0%	100.0%	Narrow → Wide	0(00()
23   20   29   Prism   32   255   12.5%   100.0%   On			28	Zoom	0	65535	0.0%	100.0%	Zoom, fine (LSB)	0(0%)
24	00	00	00	Delana	0	31	0.0%	12.2%	Off	0/00/)
24	23	20	29	Prism	32	255	12.5%	100.0%	On	0(0%)
24				Prism rotation	0	127	0.0%	49.8%	Prism indexed	0(0%)
188   195   73.7%   76.5%   Stop   Prism continous rotation CCW from slow to fast		21	30		128	187	50.2%	73.3%	Prism continous rotation CW from slow to fast	
196   255   76,9%   100,0%   Prism continous rotation CCW from slow to fast	24					195			Stop	
25					196	255	76.9%	100.0%	Prism continous rotation CCW from slow to fast	
128   255   50.2%   100.0%   Frost zoon from smallest to biggest	0-	22			0	127	0.0%		Off	0(0%)
26	25		31	Frost zoom	128	255	50.2%	100.0%	Frost zoom from smallest to biggest	
27	26	23	32		0	255			Pan	40/40 00/
28				Pan	0					46(18.0%)
29					0				Tilt	
30   27   36   Scan speed   0   255   0.0%   100.0%   Scan speed from fast to slow   0(0%)     0				Tilt	0				Tilt, fine (LSB)	0(0%)
0   9   0.0%   3.5%   No function     10   19   3.9%   7.5%   Open light after 5 seconds     20   29   7.8%   11.4%   Close light after 5 seconds     30   39   11.8%   15.3%   Color wheel half color switch     40   49   15.7%   19.2%   Color wheel half color switch     40   49   15.7%   19.2%   Color wheel random positioning     50   59   19.6%   23.1%   Reserved     70   79   27.5%   31.0%   Scan motor reset after 5 seconds     80   89   31.4%   34.9%   34.8%   All gobo motor reset after 5 seconds     80   89   31.4%   34.9%   34.8%   All gobo motor reset after 5 seconds     100   109   39.2%   42.7%   All strobe motor reset after 5 seconds     110   119   43.1%   46.7%   Other motor reset after 5 seconds     120   129   47.1%   50.6%   Built-in program 1     130   139   51.0%   54.5%   Built-in program 3     140   149   54.9%   58.4%   Built-in program 4     160   169   62.7%   66.3%   Built-in program 6     180   189   70.6%   74.1%   Built-in program 8     190   199   74.5%   78.0%   Built-in program 8     191   191   43.4%   82.0%   Built-in program 9     191   191   43.4%   82.0%   Built-in program 10     191				Scan speed						0(0%)
10				·	0					, ,
20		28	37	Special controls						0(0%)
30   39   11.8%   15.3%   Color wheel half color switch   Color wheel half color switch   Color wheel random positioning     40   49   15.7%   19.2%   Color wheel random positioning     50   59   19.6%   23.1%   Reserved     60   69   23.5%   27.1%   Reset all motor after 5 seconds     70   79   27.5%   31.0%   Scan motor reset after 5 seconds     80   89   31.4%   34.9%   All color motor reset after 5 seconds     80   89   31.4%   34.9%   All color motor reset after 5 seconds     100   109   39.2%   42.7%   All strobe motor reset after 5 seconds     110   119   43.1%   46.7%   Other motor reset after 5 seconds     120   129   47.1%   50.6%   Built-in program 1     130   139   51.0%   54.5%   Built-in program 2     140   149   54.9%   58.8%   62.4%   Built-in program 4     160   169   62.7%   66.3%   Built-in program 4     160   169   62.7%   66.3%   Built-in program 6     170   179   66.7%   70.2%   Built-in program 8     180   189   70.6%   74.1%   Built-in program 8     190   199   74.5%   78.0%   Built-in program 8     190   200   78.4%   82.0%   Built-in program 9     190   191   82.4%   85.9%   Built-in program 9     190   Built-in program 9     190   191   82.4%   85.9%   Built-in program 9     190   Built-in program 9     190   191   19										
A0										
Special controls   100   109   39.2%   42.7%   130   130   139   150										
Special controls   60   69   23.5%   27.1%   Reset all motor after 5 seconds   31.0%   Scan motor reset after 5 seconds   31.0%   All color motor reset after 5 seconds   All color motor reset after 5 seconds   All gobo motor reset after 5 seconds   All strobe motor reset after 5 seconds										
The second same states of the second same same states of the second	31									
80   89   31.4%   34.9%   All color motor reset after 5 seconds   All gobo motor reset after 5 seconds   All strobe motor reset after 5 seconds   O(0%)   Other motor reset afte										
90   99   35.3%   38.8%   All gobo motor reset after 5 seconds   All strobe motor reset after 5 seconds   All strobe motor reset after 5 seconds   O(0%)										
100   109   39.2%   42.7%   All strobe motor reset after 5 seconds   0(0%)										
31									•	
120 129 47.1% 50.6% Built-in program 1 130 139 51.0% 54.5% Built-in program 2 140 149 54.9% 58.4% Built-in program 3 150 159 58.8% 62.4% Built-in program 4 160 169 62.7% 66.3% Built-in program 5 170 179 66.7% 70.2% Built-in program 6 180 189 70.6% 74.1% Built-in program 7 190 199 74.5% 78.0% Built-in program 8 200 209 78.4% 82.0% Built-in program 8 210 219 82.4% 85.9% Built-in program 9										
130   139   51.0%   54.5%   Built-in program 2										
140										
150   159   58.8%   62.4%   Built-in program 4     160   169   62.7%   66.3%   Built-in program 5     170   179   66.7%   70.2%   Built-in program 6     180   189   70.6%   74.1%   Built-in program 7     190   199   74.5%   78.0%   Built-in program 8     200   209   78.4%   82.0%   Built-in program 9     210   219   82.4%   85.9%   Built-in program 10										
160   169   62.7%   66.3%   Built-in program 5   Built-in program 6   Built-in program 6   Built-in program 7   Built-in program 7   Built-in program 7   Built-in program 8   Built-in program 8   Built-in program 9   Built-in program 9   Built-in program 10   Built-in program 5   Built-in program 5   Built-in program 6   Built-in program 7   Built-in program 7   Built-in program 8   Built-in program 8   Built-in program 8   Built-in program 9   Built-in program 9   Built-in program 9   Built-in program 10   Built-in program										
170   179   66.7%   70.2%   Built-in program 6										
180   189   70.6%   74.1%   Built-in program 7     190   199   74.5%   78.0%   Built-in program 8     200   209   78.4%   82.0%   Built-in program 9     210   219   82.4%   85.9%   Built-in program 10										
190 199 74.5% 78.0% Built-in program 8 200 209 78.4% 82.0% Built-in program 9 210 219 82.4% 85.9% Built-in program 10										
200 209 78.4% 82.0% Built-in program 9 210 219 82.4% 85.9% Built-in program 10										
210 219 82.4% 85.9% Built-in program 10										
					200	209	78.4%	82.0%	Built-in program 9	
220 255 86.3% 100.0% Voice control					210	219	82.4%	85.9%	Built-in program 10	
					220	255	86.3%	100.0%	Voice control	