GTD

1500 II Spot - DMX Protocol

Revision: A							Valid from firmware version: 5.0	

DMX mode			Name	DMX value		DMX percentage		Function	Default DMX Value
Standard (31ch)	Simplified (28ch)	Extended (37ch)							
1	1	1	Strobe/Shutter	0	31	0.0%	12.2%	Closed	0(0%)
				32	63	12.5%	24.7%	Open	
				64	127	25.1%	49.8%	Synchronous strobe from slow to fast	
				128	159	50.2%	62.4%	Open	
				160	223	62.7%	87.5%	Random strobe from slow to fast	
				224	255	87.8%	100.0%	Open	
2	2	2	Intensity	0	255	0.0%	100.0%	No light → Full light	0(0%)
3		3		0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	
4	3	4	Cyan	0	255	0.0%	100.0%	White → Full cyan	0(0%)
		5		0	65535	0.0%	100.0%	Cyan fade, fine (LSB)	
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	CMY color macro	0	15	0.0%	5.9%	CMY color macro off	0(0%)
				16	135	6.3%	52.9%	CMY synchronous color from slow to fast	
				136	255	53.3%	100.0%	CMY random color from slow to fast	
8	7	11	CTO	0	255	0.0%	100.0%	Warm → Cold	0(0%)
		12		0	65535	0.0%	100.0%	CTO fade, fine (LSB)	
9	8	13	Color wheel	0	15	0.0%	5.9%	Open	0(0%)
				16	31	6.3%	12.2%	Color 1	
				32	47	12.5%	18.4%	Color 2	
				48	63	18.8%	24.7%	Color 3	
				64	79	25.1%	31.0%	Color 4	
				80	95	31.4%	37.3%	Color 5	
				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	
10	9	14	Rotating gobo wheel 1	0	9	0.0%	3.5%	Open gobo	0(0%)
				10	19	3.9%	7.5%	Gobo 1	
				20	29	7.8%	11.4%	Gobo 2	
				30	39	11.8%	15.3%	Gobo 3	
				40	49	15.7%	19.2%	Gobo 4	
				50	59	19.6%	23.1%	Gobo 5	
				60	69	23.5%	27.1%	Gobo 6	
				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	
				196	255	76.9%	100.0%	Gobo wheel continous rotation CCW from slow to fast	
11	10	15	Gobo rotating/positioning gobo wheel 1	0	127	0.0%	49.8%	Gobo rotation/positioning	0(0%)
				128	187	50.2%	73.3%	Gobo continous rotation CW from slow to fast	
				188	195	73.7%	76.5%	Stop	
				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)	
13	11	17	Rotating gobo wheel 2	0	27	0.0%	10.6%	Open gobo	0(0%)
				28	37	11.0%	14.5%	Gobo 1	
				38	47	14.9%	18.4%	Gobo 2	
				48	57	18.8%	22.4%	Gobo 3	
				58	67	22.7%	26.3%	Gobo 4	
				68	77	26.7%	30.2%	Gobo 5	
				78	87	30.6%	34.1%	Gobo 1 shake	
				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	
				196	255	76.9%	100.0%	Gobo wheel continous rotation CCW from slow to fast	
14	12	18	Gobo rotating/positioning gobo wheel 2	0	127	0.0%	49.8%	Gobo rotation positioning	0(0%)
				128	187	50.2%	73.3%	Gobo continous rotation CW from slow to fast	
				188	195	73.7%	76.5%	Stop	
				196	255	76.9%	100.0%	Gobo continous rotation CCW from slow to fast	
15		19		0	65535	0.0%	100.0%	Gobo rotation/positioning, fine (LSB)	
16	13	20	Effect wheel (Fire)	0	31	0.0%	12.2%	Open	0(0%)
				32	255	12.5%	100.0%	fire wheel cut-in	
17	14	21	Effect wheel rotation (Fire)	0	127	0.0%	49.8%	Indexed	0(0%)
				128	187	50.2%	73.3%	Continous rotation CW from slow to fast	
				188	195	73.7%	76.5%	Stop	
				196	255	76.9%	100.0%	Continous rotation CCW from slow to fast	

				From	To	From %	To %	Description	Default
18	15	22	Gobo wheel (static)	0	15	0.0%	5.9%	Open	0(0%)
				16	23	6.3%	9.0%	Gobo 1	
				24	31	9.4%	12.2%	Gobo 2	
				32	39	12.5%	15.3%	Gobo 3	
				40	47	15.7%	18.4%	Gobo 4	
				48	55	18.8%	21.6%	Gobo 5	
				56	63	22.0%	24.7%	Gobo 6	
				64	71	25.1%	27.8%	Gobo 7	
				72	79	28.2%	31.0%	Gobo 1 shake	
				80	87	31.4%	34.1%	Gobo 2 shake	
				88	95	34.5%	37.3%	Gobo 3 shake	
				96	103	37.6%	40.4%	Gobo 4 shake	
				104	111	40.8%	43.5%	Gobo 5 shake	
				112	119	43.9%	46.7%	Gobo 6 shake	
				120	127	47.1%	49.8%	Gobo 7 shake	
				128	187	50.2%	73.3%	Gobo wheel continous rotation CW from slow to fast	
				188	195	73.7%	76.5%	Stop	
				196	255	76.9%	100.0%	Gobo wheel continous rotation CCW from slow to fast	
19	16	23	Iris	0	255	0.0%	100.0%	Open ➔ Close	0(0%)
20	17	24	Iris macro	0	31	0.0%	12.2%	Off / Open iris	0(0%)
				32	63	12.5%	24.7%	Effect - Synchronous open from slow to fast	
				64	95	25.1%	37.3%	Effect - Synchronous off	
				96	127	37.6%	49.8%	Effect - Random open from slow to fast	
				128	159	50.2%	62.4%	Effect - Random off	
				160	191	62.7%	74.9%	Strobe follow	
				192	255	75.3%	100.0%	Closed iris	
21	18	25	Focus	0	255	0.0%	100.0%	Near ➔ Far	0(0%)
		26		0	65535	0.0%	100.0%	Focus, fine (LSB)	
22	19	27	Zoom	0	255	0.0%	100.0%	Narrow ➔ Wide	0(0%)
		28		0	65535	0.0%	100.0%	Zoom, fine (LSB)	
23	20	29	Prism	0	31	0.0%	12.2%	Off	0(0%)
				32	255	12.5%	100.0%	On	
24	21	30	Prism rotation	0	127	0.0%	49.8%	Prism indexed	0(0%)
				128	187	50.2%	73.3%	Prism continous rotation CW from slow to fast	
				188	195	73.7%	76.5%	Stop	
				196	255	76.9%	100.0%	Prism continous rotation CCW from slow to fast	
25	22	31	Frost zoom	0	127	0.0%	49.8%	Off	0(0%)
				128	255	50.2%	100.0%	Frost zoom from smallest to biggest	
26	23	32	Pan	0	255	0.0%	100.0%	Pan	46(18.0%)
27	24	33		0	65535	0.0%	100.0%	Pan, fine (LSB)	
28	25	34	Tilt	0	255	0.0%	100.0%	Tilt	0(0%)
29	26	35		0	65535	0.0%	100.0%	Tilt, fine (LSB)	
30	27	36	Scan speed	0	255	0.0%	100.0%	Scan speed from slow to fast	0(0%)
31	28	37	Special controls	0	9	0.0%	3.5%	No function	0(0%)
				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 random positioning	
				50	59	19.6%	23.1%	Reserved	
				60	69	23.5%	27.1%	Reset all e-motor after 5 seconds	
				70	79	27.5%	31.0%	Scan e-motor reset after 5 seconds	
				80	89	31.4%	34.9%	All color e-motor reset after 5 seconds	
				90	99	35.3%	38.8%	Reserved	
				100	109	39.2%	42.7%	All strobe e-motor reset after 5 seconds	
				110	119	43.1%	46.7%	Other e-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%	58.4%	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 9	
				210	219	82.4%	85.9%	Built-in program 10	
				220	255	86.3%	100.0%	Voice control	