GTD

550 II BSW - DMX Protocol

Revision: A					Valid from firmware version: 1.0	
DMX mode **Extended (33ch)**	**Name**	**DMX value**		**DMX percentage**		**Function**	**Default DMX Value**

DMX mode Extended (33ch)	Name	DMX value		DMX percentage		Function	Default DMX Value
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	Intensity	0	255	0.0%	100.0%	No light ➜ Full light	0(0%)
3		0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	
4	Cyan	0	255	0.0%	100.0%	White ➜ Full cyan	0(0%)
5		0	65535	0.0%	100.0%	Cyan fade, fine (LSB)	
6	Magenta	0	255	0.0%	100.0%	White ➜ Full magenta	0(0%)
7		0	65535	0.0%	100.0%	Magenta fade, fine (LSB)	
8	Yellow	0	255	0.0%	100.0%	White ➜ Full yellow	0(0%)
9		0	65535	0.0%	100.0%	Yellow fade, fine (LSB)	
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	
11	CTO	0	255	0.0%	100.0%	White ➜ Full cyan	0(0%)
12		0	65535	0.0%	100.0%	CTO fade, fine (LSB)	
13	High color index	0	127	0.0%	49.8%	Open	0(0%)
		128	255	50.2%	100.0%	High color index	
14	Color wheel	0	7	0.0%	2.7%	Open	0(0%)
		8	17	3.1%	6.7%	Color 1	
		18	27	7.1%	10.6%	Color 2	
		28	37	11.0%	14.5%	Color 3	
		38	47	14.9%	18.4%	Color 4	
		48	57	18.8%	22.4%	Color 5	
		58	67	22.7%	26.3%	Color 6	
		68	77	26.7%	30.2%	Color 7	
		78	87	30.6%	34.1%	Color 8	
		88	97	34.5%	38.0%	Color 9	
		98	107	38.4%	42.0%	Color 10	
		108	117	42.4%	45.9%	Color 11	
		118	127	46.3%	49.8%	Color 12	
		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	
15	Gobo wheel (static)	0	7	0.0%	2.7%	Open	0(0%)
		8	12	3.1%	4.7%	Gobo 1	
		13	17	5.1%	6.7%	Gobo 2	
		18	22	7.1%	8.6%	Gobo 3	
		23	27	9.0%	10.6%	Gobo 4	
		28	32	11.0%	12.5%	Gobo 5	
		33	37	12.9%	14.5%	Gobo 6	
		38	42	14.9%	16.5%	Gobo 7	
		43	47	16.9%	18.4%	Gobo 8	
		48	52	18.8%	20.4%	Gobo 9	
		53	57	20.8%	22.4%	Gobo 10	
		58	62	22.7%	24.3%	Gobo 11	
		63	67	24.7%	26.3%	Gobo 12	
		68	72	26.7%	28.2%	Gobo 1 shake	
		73	77	28.6%	30.2%	Gobo 2 shake	
		78	82	30.6%	32.2%	Gobo 3 shake	
		83	87	32.5%	34.1%	Gobo 4 shake	
		88	92	34.5%	36.1%	Gobo 5 shake	
		93	97	36.5%	38.0%	Gobo 6 shake	
		98	102	38.4%	40.0%	Gobo 7 shake	
		103	107	40.4%	42.0%	Gobo 8 shake	
		108	112	42.4%	43.9%	Gobo 9 shake	
		113	117	44.3%	45.9%	Gobo 10 shake	
		118	122	46.3%	47.8%	Gobo 11 shake	
		123	127	48.2%	49.8%	Gobo 12 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	
		0	7	0.0%	2.7%	Open gobo	
		8	12	3.1%	4.7%	Gobo 1	
		13	17	5.1%	6.7%	Gobo 2	
		18	22	7.1%	8.6%	Gobo 3	
		23	27	9.0%	10.6%	Gobo 4	
		28	32	11.0%	12.5%	Gobo 5	

		From	To	From %	To %	Description	Default
		33	37	12.9%	14.5%	Gobo 6	
		38	42	14.9%	16.5%	Gobo 7	
		43	47	16.9%	18.4%	Gobo 8	
16	Rotating gobo wheel 1	48	57	18.8%	22.4%	Gobo 1 shake	0(0%)
		58	67	22.7%	26.3%	Gobo 2 shake	
		68	77	26.7%	30.2%	Gobo 3 shake	
		78	87	30.6%	34.1%	Gobo 4 shake	
		88	97	34.5%	38.0%	Gobo 5 shake	
		98	107	38.4%	42.0%	Gobo 6 shake	
		108	117	42.4%	45.9%	Gobo 7 shake	
		118	127	46.3%	49.8%	Gobo 8 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	
17	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 CCW from slow to fast	
		188	195	73.7%	76.5%	Stop	
		196	255	76.9%	100.0%	Gobo continous rotation CW from slow to fast	
18		0	65535	0.0%	100.0%	Gobo rotation/positioning, fine (LSB)	
19	Effect wheel rotation (Fire)	0	127	0.0%	49.8%	Open	0(0%)
		128	255	50.2%	100.0%	Continous rotation from slow to fast	
20	Focus	0	255	0.0%	100.0%	Near Far	0(0%)
21		0	65535	0.0%	100.0%	Focus, fine (LSB)	
22	Zoom	0	255	0.0%	100.0%	Narrow Wide	0(0%)
23		0	65535	0.0%	100.0%	Zoom, fine (LSB)	
24	Prism1	0	31	0.0%	12.2%	Off	0(0%)
		32	255	12.5%	100.0%	On	
25	Prism1 rotation	0	127	0.0%	49.8%	No function	0(0%)
		128	187	50.2%	73.3%	Prism1 continous rotation CW from slow to fast	
		188	195	73.7%	76.5%	Stop	
		196	255	76.9%	100.0%	Prism1 continous rotation CCW from slow to fast	
26	Prism2	0	31	0.0%	12.2%	Off	0(0%)
		32	255	12.5%	100.0%	On	
27	Prism2 rotation	0	127	0.0%	49.8%	No function	0(0%)
		128	187	50.2%	73.3%	Prism2 continous rotation CW from slow to fast	
		188	195	73.7%	76.5%	Stop	
		196	255	76.9%	100.0%	Prism2 continous rotation CCW from slow to fast	
28	Frost	0	255	0.0%	100.0%	Frost shallow to deep	0(0%)
29	Pan	0	255	0.0%	100.0%	Pan	0(0%)
30		0	65535	0.0%	100.0%	Pan, fine (LSB)	
31	Tilt	0	255	0.0%	100.0%	Tilt	46(18.0%)
32		0	65535	0.0%	100.0%	Tilt, fine (LSB)	
33	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%	Blade motor reset after 5 seconds	
		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	
		90	99	35.3%	38.8%	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 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%	Reserved	