

330C II BSW - DMX Protocol

Revision: A

Valid from firmware version: 2.0

DMX mode			Name	DMX value		DMX percentage		Function	Default DMX Value
Standard (24ch)	Simplified (21ch)	Extended (30ch)							
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%)
				0	65535	0.0%	100.0%	Intensity fade, fine (LSB)	
3	3	4	Cyan	0	255	0.0%	100.0%	White → Full cyan	0(0%)
				0	65535	0.0%	100.0%	Cyan fade, fine (LSB)	
4	4	6	Magenta	0	255	0.0%	100.0%	White → Full magenta	0(0%)
				0	65535	0.0%	100.0%	Magenta fade, fine (LSB)	
5	5	8	Yellow	0	255	0.0%	100.0%	White → Full yellow	0(0%)
				0	65535	0.0%	100.0%	Yellow fade, fine (LSB)	
6	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	
				0	17	0.0%	6.7%	Open	
7	7	11	Color wheel	18	27	7.1%	10.6%	Color 1	0(0%)
				28	37	11.0%	14.5%	Color 2	
				38	47	14.9%	18.4%	Color 3	
				48	57	18.8%	22.4%	Color 4	
				58	67	22.7%	26.3%	Color 5	
				68	77	26.7%	30.2%	Color 6	
				78	87	30.6%	34.1%	Color 7	
				88	97	34.5%	38.0%	Color 8	
				98	107	38.4%	42.0%	Color 9	
				108	117	42.4%	45.9%	Color 10	
				118	127	46.3%	49.8%	Color 11	
				128	187	50.2%	73.3%	Color1 continous rotation CW from fast to slow	
				188	195	73.7%	76.5%	Stop	
				196	255	76.9%	100.0%	Color1 continous rotation CCW from slow to fast	
8	8	12	Gobo wheel (static)	0	7	0.0%	2.7%	Open gobo	0(0%)
				8	10	3.1%	3.9%	Gobo 1	
				11	13	4.3%	5.1%	Gobo 2	
				14	16	5.5%	6.3%	Gobo 3	
				17	19	6.7%	7.5%	Gobo 4	
				20	22	7.8%	8.6%	Gobo 5	
				23	25	9.0%	9.8%	Gobo 6	
				26	28	10.2%	11.0%	Gobo 7	
				29	31	11.4%	12.2%	Gobo 8	
				32	34	12.5%	13.3%	Gobo 9	
				35	37	13.7%	14.5%	Gobo 10	
				38	40	14.9%	15.7%	Gobo 11	
				41	43	16.1%	16.9%	Gobo 12	
				44	50	17.3%	19.6%	Gobo 1 shake	
				51	57	20.0%	22.4%	Gobo 2 shake	
				58	64	22.7%	25.1%	Gobo 3 shake	
				65	71	25.5%	27.8%	Gobo 4 shake	
				72	78	28.2%	30.6%	Gobo 5 shake	
				79	85	31.0%	33.3%	Gobo 6 shake	
				86	92	33.7%	36.1%	Gobo 7 shake	
				93	99	36.5%	38.8%	Gobo 8 shake	
				100	106	39.2%	41.6%	Gobo 9 shake	
				107	113	42.0%	44.3%	Gobo 10 shake	
				114	120	44.7%	47.1%	Gobo 11 shake	
				121	127	47.5%	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	
9	9	13	Rotating gobo wheel	0	7	0.0%	2.7%	Open gobo	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	57	18.8%	22.4%	Gobo 1 shake	
				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	
10	10	14	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	
11		15		0	65535	0.0%	100.0%	Gobo rotation/positioning, fine (LSB)	
12	11	16	Focus	0	255	0.0%	100.0%	Near → Far	0(0%)
		17		0	65535	0.0%	100.0%	Focus, fine (LSB)	
13	12	18	Zoom	0	255	0.0%	100.0%	Narrow → Wide	0(0%)
		19		0	65535	0.0%	100.0%	Zoom, fine (LSB)	
14	13	20	Prism1	0	31	0.0%	12.2%	Off	0(0%)
				32	255	12.5%	100.0%	On	
15	14	21	Prism1 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	
16	15	22	Prism2	0	31	0.0%	12.2%	Off	0(0%)
				32	255	12.5%	100.0%	On	
17	16	23	Prism2 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	
18	17	24	Frost	0	127	0.0%	49.8%	Off	0(0%)
				128	255	50.2%	100.0%	On	
19	18	25	Pan	0	255	0.0%	100.0%	Pan	0(0%)
20		26		0	65535	0.0%	100.0%	Pan, fine (LSB)	
21	19	27	Tilt	0	255	0.0%	100.0%	Tilt	46(18.0%)
22		28		0	65535	0.0%	100.0%	Tilt, fine (LSB)	
23	20	29	Scan speed	0	255	0.0%	100.0%	Scan speed from fast to slow	0(0%)
24	21	30	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	59	15.7%	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	
				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%	Voice control	