



SG ARCHERS7 – DMX Chart

rev_01-0419

Channel			Value	Function
24 CH	29 CH	34 CH		
1	1	1	000 – 255	<u>Pan Movement 8bit</u>
	2	2	000 – 255	<u>Pan Fine Movement 16bit</u>
2	3	3	000 – 255	<u>Tilt Movement 8bit</u>
	4	4	000 – 255	<u>Tilt Fine Movement 16bit</u>
3	5	5	000 – 225	<u>Pan/Tilt Speed</u> From fast to low
			226 – 235	Blackout during movement
			236 – 245	No function
			246 – 255	No function
4	6	6	000 – 255	<u>Cyan 8bit</u>
				7
5	7	8	000 – 255	<u>Magenta 8bit</u>
				9
6	8	10	000 – 255	<u>Yellow 8bit</u>
				11
7	9	12	000 – 255	<u>CTO 8bit</u>
				13
8	10	14	000 – 009	<u>Rotating Gobo wheel 1</u> Open
			010 – 019	Gobo 1
			020 – 029	Gobo 2
			030 – 039	Gobo 3
			040 – 049	Gobo 4
			050 – 059	Gobo 5
			060 – 069	Gobo 6
			070 – 079	Gobo 7
			080 – 094	Gobo 1 shake, from slow to fast
			095 – 109	Gobo 2 shake, from slow to fast
			110 – 124	Gobo 3 shake, from slow to fast
			125 – 139	Gobo 4 shake, from slow to fast
			140 – 154	Gobo 5 shake, from slow to fast
			155 – 169	Gobo 6 shake, from slow to fast
			170 – 189	Gobo 7 shake, from slow to fast
			190 – 221	Gobo wheel rotation counter clockwise from fast to slow
222 – 223	No rotation			
224 – 255	Gobo wheel rotation clockwise from slow to fast			
9	11	15	000 – 127	<u>Gobo 1 rotation</u> Gobo rotation index
			128 – 189	Gobo rotation counter-clockwise from fast to slow
			190 – 193	No rotation
			194 – 255	Gobo rotation clockwise from slow to fast
10	12	16	000 – 004	<u>Color wheel</u> White
			005 – 017	White – Red
			018 – 130	Red
			031 – 043	Red – Light Blue

			044 – 056 Light blue 057 – 069 Light Blue – Green 070 – 082 Green 083 – 095 Green – CTB 096 – 108 CTB 109 – 121 CTB – Amber 122 – 134 Amber 135 – 147 Amber – CTO 148 – 160 CTO 161 – 173 CTO – UV 174 – 186 UV 187 – 199 UV – White 200 – 226 Clockwise rotation of colors from fast to slow 227 – 228 White 229 – 255 Counter-lockwise rotation of colors from slow to fast	
11	13	17	<u>Fixed Gobo wheel 2</u> 000 – 005 Open 006 – 014 Gobo 1 015 – 023 Gobo 2 024 – 032 Gobo 3 033 – 041 Gobo 4 042 – 050 Gobo 5 051 – 059 Gobo 6 060 – 068 Gobo 7 069 – 077 Gobo 8 078 – 091 Gobo 1 shake, from slow to fast 092 – 105 Gobo 2 shake, from slow to fast 106 – 119 Gobo 3 shake, from slow to fast 120 – 133 Gobo 4 shake, from slow to fast 134 – 147 Gobo 5 shake, from slow to fast 148 – 161 Gobo 6 shake, from slow to fast 162 – 175 Gobo 7 shake, from slow to fast 176 – 189 Gobo 8 shake, from slow to fast 190 – 221 Gobo wheel rotation clockwise from fast to slow 222 – 223 No rotation 224 – 255 Gobo wheel rotation counter-clockwise from fast to slow	
12	14	18	<u>Animation wheel</u> 000 – 127 No function 128 – 189 Clockwise rotation from fast to slow 190 – 193 No function 194 – 255 Counter-clockwise rotation from slow to fast	
13	15	19	<u>Linear Prism</u> 000 – 031 No function 032 – 255 Linear prism inserted	
14	16	20	<u>Linear prism rotation</u> 000 – 127 Prism indexing 128 – 189 Counter-clockwise rotation from fast to slow 190 – 193 No rotation 194 – 255 Clockwise rotation from slow to fast	
15	17	21	<u>3-facet prism</u> 000 – 031 No function 032 – 255 3-facet prism inserted	
16	18	22	<u>3-facet prism rotation</u>	

			000 – 127 128 – 189 190 – 193 194 – 255	Prism indexing Counter-clockwise rotation from fast to slow No rotation Clockwise rotation from slow to fast
17	19	23	000 – 225 226 – 235 236 – 245 246 – 255	Frost Frost 0 - 100% linear Pulse IN effect from fast to slow Pulse OUT effect from slow to fast Frost 100%
18	20	24	000 – 225 226 – 235 236 – 245 246 – 255	Iris Iris 0 – 100% linear Pulse IN effect from fast to slow Pulse OUT effect from slow to fast Random effects from slow to fast
		25	000 – 255	Iris Fine 16bit Iris Fine movement
19	21	26	000 – 255	Zoom Zoom from maximum to minimum Beam angle
	22	27	000 – 255	Zoom Fine 16bit Zoom Fine movement
20	23	28	000 – 255	Focus Focus adjustment
	24	29	000 – 255	Focus Fine 16bit Focus Fine movement
21	25	30	000 – 031 032 – 063 064 – 095 096 – 127 128 – 159 160 – 191 192 – 223 224 - 255	Shutter Shutter closed Shutter open Strobe from slow to fast Shutter open Strobe with pulse effects from slow to fast Shutter open Strobe with random effects from slow to fast Shutter open
22	26	31	000 – 255	Dimmer Intensity from 0 % to 100%
	27	32	000 – 255	Dimmer Fine Intensity dimmer Fine
23	28	33	000 – 020 021 – 040 041 – 060 061 – 080 081 – 100 101 – 255	Dim Modes Standard Stage TV Architectural Theater Default to Unit Setting
24	29	34	000 – 079 080 – 084 085 – 087 088 – 090 091 – 093	Reset No function Reset of all motors PAN / TILT motors reset Color motors reset Gobo 1 motors reset



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			094 – 096 097 – 099 100 – 255	Gobo 2 motors reset Other motors reset No function
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