

## Sparkly 480 SBW

3 Modes 20 - 24 - 30

20 Ch

Channel	Function	Value	Description
1	Pan	0 --> 255	540° Pan
2	Tilt	0 --> 255	270° Tilt
3	Pan/Tilt Speed	0 --> 255	Pan/Tilt Speed
4	Control	0 --> 129	Empty
		130 --> 139	Lamp ON
		140 --> 149	Pan/Tilt Reset
		150 --> 159	Empty
		160 --> 169	Small Motors Reset
		170 --> 199	Empty
		200 --> 209	Whole Unit Reset
		210 --> 229	Empty
		230 --> 239	Lamp OFF
		240 --> 255	Empty
5	Colour Wheel 1	0	Open
		28	White + Pink
		50	Pink
		80	Pink + Light Orange
		100	Light Orange
		129	Light Orange + Light Purple
		150	Light Purple
		181	Light Purple + Blue
		204	Blue
		235	Blue + Deep Blue
		255	Deep Blue
6	Colour Wheel 2	0	Open
		28	White + Deep Red
		50	Deep Red
		80	Deep Red + Deep Green
		100	Deep Green
		129	Deep Green + Light Green
		150	Light Green
		181	Light Green + UV Blue
		204	UV Blue
		235	UV Blue + Deep Orange
255	Deep Orange		

7	Colour Wheel 3	0 --> 255	CTO
8	Cyan	0 --> 255	0% to 100% Cyan
9	Magenta	0 --> 255	0% to 100% Magenta
10	Yellow	0 --> 255	0% to 100% Yellow
11	Gobo Wheel 1	0	Open
		1 --> 3	Gobo 1
		4 --> 7	Gobo 2
		8 --> 12	Gobo 3
		13 --> 16	Gobo 4
		17 --> 20	Gobo 5
		21 --> 24	Gobo 6
		25 --> 29	Gobo 7
		30 --> 33	Gobo 8
		34 --> 37	Gobo 9
		38 --> 41	Gobo 10
		42 --> 46	Gobo 11
		47 --> 50	Gobo 12
		51 --> 54	Gobo 13
		55 --> 58	Gobo 14
		59 --> 63	Gobo 15
		64 --> 67	Gobo 16
		68 --> 71	Gobo 17
		72 --> 113	Fast to Slow CW Rotation
		114 --> 117	Stop
		118 --> 159	Slow to Fast CCW Rotation
		160 --> 165	Slow to Fast Gobo 1 Shake
		166 --> 170	Slow to Fast Gobo 2 Shake
		171 --> 176	Slow to Fast Gobo 3 Shake
		177 --> 181	Slow to Fast Gobo 4 Shake
		182 --> 187	Slow to Fast Gobo 5 Shake
		188 --> 193	Slow to Fast Gobo 6 Shake
		194 --> 198	Slow to Fast Gobo 7 Shake
199 --> 204	Slow to Fast Gobo 8 Shake		
205 --> 209	Slow to Fast Gobo 9 Shake		
210 --> 215	Slow to Fast Gobo 10 Shake		
216 --> 220	Slow to Fast Gobo 11 Shake		
221 --> 226	Slow to Fast Gobo 12 Shake		
227 --> 232	Slow to Fast Gobo 13 Shake		
233 --> 237	Slow to Fast Gobo 14 Shake		
238 --> 243	Slow to Fast Gobo 15 Shake		
244 --> 248	Slow to Fast Gobo 16 Shake		
249 --> 255	Slow to Fast Gobo 17 Shake		

12	Gobo Wheel 2	<i>Gobo Position Mode</i>	
		0	Open
		1 --> 4	Spot
		5 --> 7	Gobo 1
		8 --> 10	Gobo 2
		11 --> 13	Gobo 3
		14 --> 16	Gobo 4
		17 --> 19	Gobo 5
		20 --> 22	Gobo 6
		23 --> 25	Gobo 7
		26 --> 28	Gobo 8
		29 --> 31	Gobo 9
		<i>Gobo Rotation Mode</i>	
		32 --> 34	Gobo 1
		35 --> 37	Gobo 2
		38 --> 40	Gobo 3
		41 --> 43	Gobo 4
		44 --> 46	Gobo 5
		47 --> 49	Gobo 6
		50 --> 52	Gobo 7
		53 --> 55	Gobo 8
		56 --> 59	Gobo 9
		<i>Slow to Fast Gobo Shake</i>	
		60 --> 67	Slow to Fast Gobo 1 Shake
		68 --> 75	Slow to Fast Gobo 2 Shake
		76 --> 83	Slow to Fast Gobo 3 Shake
		84 --> 91	Slow to Fast Gobo 4 Shake
		92 --> 99	Slow to Fast Gobo 5 Shake
		100 --> 107	Slow to Fast Gobo 6 Shake
		118 --> 115	Slow to Fast Gobo 7 Shake
		116 --> 123	Slow to Fast Gobo 8 Shake
		124 --> 129	Slow to Fast Gobo 9 Shake
<i>Slow to Fast Rotation Gobo Shake</i>			
130 --> 137	Slow to Fast Gobo 1 Shake		
138 --> 145	Slow to Fast Gobo 2 Shake		
146 --> 153	Slow to Fast Gobo 3 Shake		
154 --> 161	Slow to Fast Gobo 4 Shake		
162 --> 169	Slow to Fast Gobo 5 Shake		
170 --> 177	Slow to Fast Gobo 6 Shake		
178 --> 185	Slow to Fast Gobo 7 Shake		
186 --> 193	Slow to Fast Gobo 8 Shake		
194 --> 199	Slow to Fast Gobo 9 Shake		

13	Gobo Rotation	<i>Position Mode</i>	
		0 --> 255	Index
		<i>Rotation Mode</i>	
		0	Safe
		1 --> 127	CW Fast to Slow Scroll
		128 --> 129	Stop
		130 --> 255	CCW Slow to Fast Scroll
14	Prism	<i>Prism Position Mode</i>	
		0 --> 5	Safe
		6 --> 25	Prism 1
		26 --> 50	Prism 2
		51 --> 75	Prism 3
		76 --> 100	Prism 4
		101 --> 125	Prism 5
		<i>Prism Rotation Mode</i>	
		126 --> 150	Prism 1
		151 --> 175	Prism 2
		176 --> 200	Prism 3
		201 --> 225	Prism 4
226 --> 255	Prism 5		
15	Prism Rotation	<i>Position Mode</i>	
		0 --> 255	Index
		<i>Rotation Mode</i>	
		0 --> 1	Safe
		2 --> 127	CW Fast to Slow Rotation
		128 --> 129	Stop
		130 --> 255	CCW Slow to Fast Rotation
16	Frost	0 --> 64	Open
		65 --> 255	Frost
17	Zoom	0 --> 255	0% to 100% Zoom
18	Focus	0 --> 255	0% to 100% Focus
19	Strobe	0 --> 31	Closed
		32 --> 63	Open
		64 --> 95	Slow to Fast Strobe
		96 --> 127	Open
		128 --> 143	Fast to Slow Open Pulsation
		144 --> 159	Slow to Fast Close Pulsation
		160 --> 191	Open
		192 --> 223	Slow to Fast Random Strobe
		224 --> 255	Open
20	Dimmer	0 --> 255	0% to 100% Dimmer

24 Ch

Channel	Function	Value	Description
1	Pan	0 --> 255	540° Pan
2	Pan Fine	0 --> 255	Pan Fine
3	Tilt	0 --> 255	270° Tilt
4	Tilt Fine	0 --> 255	Tilt Fine
5	Pan/Tilt Speed	0 --> 255	Pan/Tilt Speed
6	Control	0 --> 129	Empty
		130 --> 139	Lamp ON
		140 --> 149	Pan/Tilt Reset
		150 --> 159	Empty
		160 --> 169	Small Motors Reset
		170 --> 199	Empty
		200 --> 209	Whole Unit Reset
		210 --> 229	Empty
		230 --> 239	Lamp OFF
240 --> 255	Empty		
7	Colour Wheel 1	0	Open
		28	White + Pink
		50	Pink
		80	Pink + Light Orange
		100	Light Orange
		129	Light Orange + Light Purple
		150	Light Purple
		181	Light Purple + Blue
		204	Blue
		235	Blue + Deep Blue
		255	Deep Blue
8	Colour Wheel 2	0	Open
		28	White + Deep Red
		50	Deep Red
		80	Deep Red + Deep Green
		100	Deep Green
		129	Deep Green + Light Green
		150	Light Green
		181	Light Green + UV Blue
		204	UV Blue
		235	UV Blue + Deep Orange
		255	Deep Orange
9	Colour Wheel 3	0 --> 255	CTO
10	Cyan	0 --> 255	0% to 100% Cyan
11	Magenta	0 --> 255	0% to 100% Magenta
12	Yellow	0 --> 255	0% to 100% Yellow

13	Gobo Wheel 1	0	Open
		1 --> 3	Gobo 1
		4 --> 7	Gobo 2
		8 --> 12	Gobo 3
		13 --> 16	Gobo 4
		17 --> 20	Gobo 5
		21 --> 24	Gobo 6
		25 --> 29	Gobo 7
		30 --> 33	Gobo 8
		34 --> 37	Gobo 9
		38 --> 41	Gobo 10
		42 --> 46	Gobo 11
		47 --> 50	Gobo 12
		51 --> 54	Gobo 13
		55 --> 58	Gobo 14
		59 --> 63	Gobo 15
		64 --> 67	Gobo 16
		68 --> 71	Gobo 17
		72 --> 113	Fast to Slow CW Rotation
		114 --> 117	Stop
		118 --> 159	Slow to Fast CCW Rotation
		160 --> 165	Slow to Fast Gobo 1 Shake
		166 --> 170	Slow to Fast Gobo 2 Shake
		171 --> 176	Slow to Fast Gobo 3 Shake
		177 --> 181	Slow to Fast Gobo 4 Shake
		182 --> 187	Slow to Fast Gobo 5 Shake
		188 --> 193	Slow to Fast Gobo 6 Shake
		194 --> 198	Slow to Fast Gobo 7 Shake
		199 --> 204	Slow to Fast Gobo 8 Shake
		205 --> 209	Slow to Fast Gobo 9 Shake
210 --> 215	Slow to Fast Gobo 10 Shake		
216 --> 220	Slow to Fast Gobo 11 Shake		
221 --> 226	Slow to Fast Gobo 12 Shake		
227 --> 232	Slow to Fast Gobo 13 Shake		
233 --> 237	Slow to Fast Gobo 14 Shake		
238 --> 243	Slow to Fast Gobo 15 Shake		
244 --> 248	Slow to Fast Gobo 16 Shake		
249 --> 255	Slow to Fast Gobo 17 Shake		

14	Gobo Wheel 2	<i>Gobo Position Mode</i>	
		0	Open
		1 --> 4	Spot
		5 --> 7	Gobo 1
		8 --> 10	Gobo 2
		11 --> 13	Gobo 3
		14 --> 16	Gobo 4
		17 --> 19	Gobo 5
		20 --> 22	Gobo 6
		23 --> 25	Gobo 7
		26 --> 28	Gobo 8
		29 --> 31	Gobo 9
		<i>Gobo Rotation Mode</i>	
		32 --> 34	Gobo 1
		35 --> 37	Gobo 2
		38 --> 40	Gobo 3
		41 --> 43	Gobo 4
		44 --> 46	Gobo 5
		47 --> 49	Gobo 6
		50 --> 52	Gobo 7
		53 --> 55	Gobo 8
		56 --> 59	Gobo 9
		<i>Slow to Fast Gobo Shake</i>	
		60 --> 67	Slow to Fast Gobo 1 Shake
		68 --> 75	Slow to Fast Gobo 2 Shake
		76 --> 83	Slow to Fast Gobo 3 Shake
		84 --> 91	Slow to Fast Gobo 4 Shake
		92 --> 99	Slow to Fast Gobo 5 Shake
		100 --> 107	Slow to Fast Gobo 6 Shake
		118 --> 115	Slow to Fast Gobo 7 Shake
		116 --> 123	Slow to Fast Gobo 8 Shake
124 --> 129	Slow to Fast Gobo 9 Shake		
<i>Slow to Fast Rotation Gobo Shake</i>			
130 --> 137	Slow to Fast Gobo 1 Shake		
138 --> 145	Slow to Fast Gobo 2 Shake		
146 --> 153	Slow to Fast Gobo 3 Shake		
154 --> 161	Slow to Fast Gobo 4 Shake		
162 --> 169	Slow to Fast Gobo 5 Shake		
170 --> 177	Slow to Fast Gobo 6 Shake		
178 --> 185	Slow to Fast Gobo 7 Shake		
186 --> 193	Slow to Fast Gobo 8 Shake		
194 --> 199	Slow to Fast Gobo 9 Shake		
15	Gobo Rotation	<i>Position Mode</i>	
		0 --> 255	Index
		<i>Rotation Mode</i>	
		0	Safe
		1 --> 127	CW Fast to Slow Scroll
		128 --> 129	Stop
130 --> 255	CCW Slow to Fast Scroll		

16	Prism	<i>Prism Position Mode</i>	
		0 --> 5	Safe
		6 --> 25	Prism 1
		26 --> 50	Prism 2
		51 --> 75	Prism 3
		76 --> 100	Prism 4
		101 --> 125	Prism 5
		<i>Prism Rotation Mode</i>	
		126 --> 150	Prism 1
		151 --> 175	Prism 2
		176 --> 200	Prism 3
		201 --> 225	Prism 4
		226 --> 255	Prism 5
		17	Prism Rotation
0 --> 255	Index		
<i>Rotation Mode</i>			
0 --> 1	Safe		
2 --> 127	CW Fast to Slow Scroll		
		128 --> 129	Stop
		130 --> 255	CCW Slow to Fast Scroll
18	Frost	0 --> 64	Open
		65 --> 255	Frost
19	Zoom	0 --> 255	0% to 100% Zoom
20	Zoom Fine	0 --> 255	Zoom Fine
21	Focus	0 --> 255	0% to 100% Focus
22	Focus Fine	0 --> 255	Focus Fine
23	Strobe	0 --> 31	Closed
		32 --> 63	Open
		64 --> 95	Slow to Fast Strobe
		96 --> 127	Open
		128 --> 143	Fast to Slow Open Pulsation
		144 --> 159	Slow to Fast Close Pulsation
		160 --> 191	Open
		192 --> 223	Slow to Fast Random Strobe
		224 --> 255	Open
24	Dimmer	0 --> 255	0% to 100% Dimmer



## 30 Ch

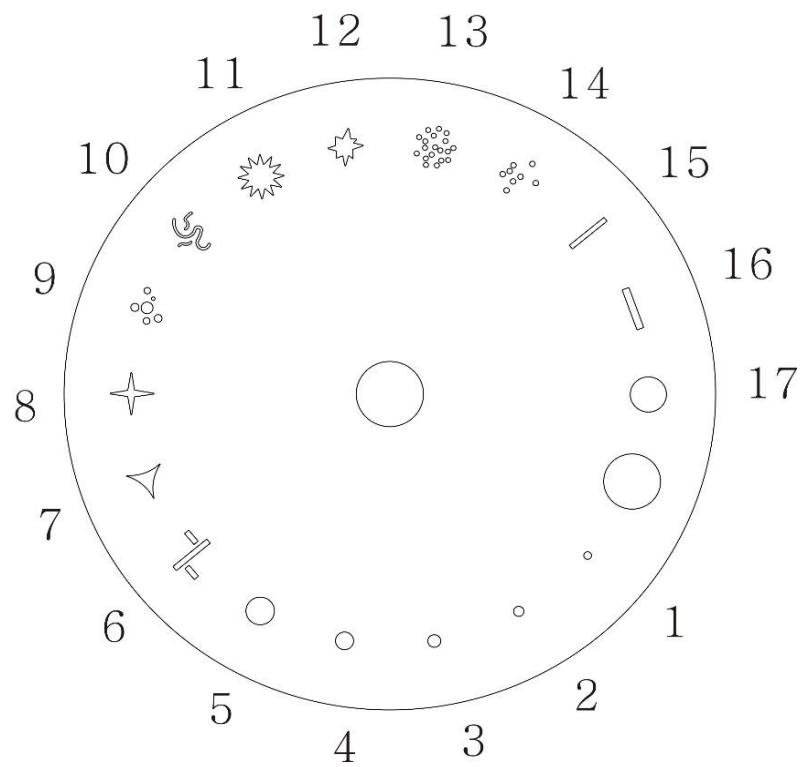
Channel	Function	Value	Description
1	Cyan	0 --> 255	0% to 100% Cyan
2	Magenta	0 --> 255	0% to 100% Magenta
3	Yellow	0 --> 255	0% to 100% Yellow
4	Colour Wheel 1	0	Open
		28	White + Pink
		50	Pink
		80	Pink + Light Orange
		100	Light Orange
		129	Light Orange + Light Purple
		150	Light Purple
		181	Light Purple + Blue
		204	Blue
		235	Blue + Deep Blue
		255	Deep Blue
5	Colour Wheel 2	0	Open
		28	White + Deep Red
		50	Deep Red
		80	Deep Red + Deep Green
		100	Deep Green
		129	Deep Green + Light Green
		150	Light Green
		181	Light Green + UV Blue
		204	UV Blue
		235	UV Blue + Deep Orange
		255	Deep Orange
6	Colour Wheel 3	0 --> 255	CTO
7	Strobe	0 --> 31	Closed
		32 --> 63	Open
		64 --> 95	Slow to Fast Strobe
		96 --> 127	Open
		128 --> 143	Fast to Slow Open Pulsation
		144 --> 159	Slow to Fast Close Pulsation
		160 --> 191	Open
		192 --> 223	Slow to Fast Random Strobe
		224 --> 255	Open
8	Dimmer	0 --> 255	0% to 100% Dimmer
9	Dimmer Fine	0 --> 255	Dimmer Fine

10	Gobo Wheel 1	0	Open
		1 --> 3	Gobo 1
		4 --> 7	Gobo 2
		8 --> 12	Gobo 3
		13 --> 16	Gobo 4
		17 --> 20	Gobo 5
		21 --> 24	Gobo 6
		25 --> 29	Gobo 7
		30 --> 33	Gobo 8
		34 --> 37	Gobo 9
		38 --> 41	Gobo 10
		42 --> 46	Gobo 11
		47 --> 50	Gobo 12
		51 --> 54	Gobo 13
		55 --> 58	Gobo 14
		59 --> 63	Gobo 15
		64 --> 67	Gobo 16
		68 --> 71	Gobo 17
		72 --> 113	Fast to Slow CW Rotation
		114 --> 117	Stop
		118 --> 159	Slow to Fast CCW Rotation
		160 --> 165	Slow to Fast Gobo 1 Shake
		166 --> 170	Slow to Fast Gobo 2 Shake
		171 --> 176	Slow to Fast Gobo 3 Shake
		177 --> 181	Slow to Fast Gobo 4 Shake
		182 --> 187	Slow to Fast Gobo 5 Shake
		188 --> 193	Slow to Fast Gobo 6 Shake
194 --> 198	Slow to Fast Gobo 7 Shake		
199 --> 204	Slow to Fast Gobo 8 Shake		
205 --> 209	Slow to Fast Gobo 9 Shake		
210 --> 215	Slow to Fast Gobo 10 Shake		
216 --> 220	Slow to Fast Gobo 11 Shake		
221 --> 226	Slow to Fast Gobo 12 Shake		
227 --> 232	Slow to Fast Gobo 13 Shake		
233 --> 237	Slow to Fast Gobo 14 Shake		
238 --> 243	Slow to Fast Gobo 15 Shake		
244 --> 248	Slow to Fast Gobo 16 Shake		
249 --> 255	Slow to Fast Gobo 17 Shake		
11	Effect Gobo	-	Reserved
12	Effect Gobo Rot	-	Reserved

13	Gobo Wheel 2	<i>Gobo Position Mode</i>	
		0	Open
		1 --> 4	Spot
		5 --> 7	Gobo 1
		8 --> 10	Gobo 2
		11 --> 13	Gobo 3
		14 --> 16	Gobo 4
		17 --> 19	Gobo 5
		20 --> 22	Gobo 6
		23 --> 25	Gobo 7
		26 --> 28	Gobo 8
		29 --> 31	Gobo 9
		<i>Gobo Rotation Mode</i>	
		32 --> 34	Gobo 1
		35 --> 37	Gobo 2
		38 --> 40	Gobo 3
		41 --> 43	Gobo 4
		44 --> 46	Gobo 5
		47 --> 49	Gobo 6
		50 --> 52	Gobo 7
		53 --> 55	Gobo 8
		56 --> 59	Gobo 9
		<i>Slow to Fast Gobo Shake</i>	
		60 --> 67	Slow to Fast Gobo 1 Shake
		68 --> 75	Slow to Fast Gobo 2 Shake
		76 --> 83	Slow to Fast Gobo 3 Shake
		84 --> 91	Slow to Fast Gobo 4 Shake
		92 --> 99	Slow to Fast Gobo 5 Shake
		100 --> 107	Slow to Fast Gobo 6 Shake
		118 --> 115	Slow to Fast Gobo 7 Shake
		116 --> 123	Slow to Fast Gobo 8 Shake
124 --> 129	Slow to Fast Gobo 9 Shake		
<i>Slow to Fast Rotation Gobo Shake</i>			
130 --> 137	Slow to Fast Gobo 1 Shake		
138 --> 145	Slow to Fast Gobo 2 Shake		
146 --> 153	Slow to Fast Gobo 3 Shake		
154 --> 161	Slow to Fast Gobo 4 Shake		
162 --> 169	Slow to Fast Gobo 5 Shake		
170 --> 177	Slow to Fast Gobo 6 Shake		
178 --> 185	Slow to Fast Gobo 7 Shake		
186 --> 193	Slow to Fast Gobo 8 Shake		
194 --> 199	Slow to Fast Gobo 9 Shake		
14	Gobo Rotation	<i>Position Mode</i>	
		0 --> 255	Index
		<i>Rotation Mode</i>	
		0	Safe
		1 --> 127	CW Fast to Slow Scroll
128 --> 129	Stop		
130 --> 255	CCW Slow to Fast Scroll		
15	Gobo Rotation Fine	0 --> 255	Reserved

16	Prism	<i>Prism Position Mode</i>	
		0 --> 5	Safe
		6 --> 25	Prism 1
		26 --> 50	Prism 2
		51 --> 75	Prism 3
		76 --> 100	Prism 4
		101 --> 125	Prism 5
		<i>Prism Rotation Mode</i>	
		126 --> 150	Prism 1
		151 --> 175	Prism 2
		176 --> 200	Prism 3
		201 --> 225	Prism 4
		226 --> 255	Prism 5
		17	Prism Rotation
0 --> 255	Index		
<i>Rotation Mode</i>			
0 --> 1	Safe		
2 --> 127	CW Fast to Slow Rotation		
128 --> 129	Stop		
		130 --> 255	CCW Slow to Fast Rotation
18	Frost	0 --> 64	Open
		65 --> 255	Frost
19	Zoom	0 --> 255	0% to 100% Zoom
20	Focus	0 --> 255	0% to 100% Focus
21	Focus Fine	0 --> 255	Focus Fine
22	Beam Effect	-	Reserved
23	Pan	0 --> 255	540° Pan
24	Pan Fine	0 --> 255	Pan Fine
25	Tilt	0 --> 255	270° Tilt
26	Tilt Fine	0 --> 255	Tilt Fine
27	Pan/Tilt Speed	0 --> 255	Pan/Tilt Speed
28	Reset	0 --> 25	Safe
		26 --> 76	Small Step Motor Reset
		77 --> 127	P/T Reset
		128 --> 255	Whole Unit Reset
29	Lamp Control	0 --> 25	Safe
		26 --> 100	Lamp Off
		101 --> 255	Lamp ON
30	Macros	0 --> 255	Built-in Macros

### Static Gobo Wheel



### Rotating Gobo Wheel

