

## 9. DMX Protocol

Super BEE BSW DMX Channel			
Mode/Channel		Value	Function
Ba	St		
1	1		<b>Pan</b>
		0-255	0-100%
2	2		<b>Pan fine</b>
		0-255	0-100%
3	3		<b>Tilt</b>
		0-255	0-100%
4	4		<b>Tilt fine</b>
		0-255	0-100%
5	5		<b>Pan/Tilt Speed</b>
		0-255	Fast -> Slow
6	6		<b>Dimmer</b>
		0-255	0-100%
	7		<b>Dimmer fine</b>
		0-255	0-100%
7	8		<b>Strobe/Shutter</b>
		0-3	Close
		4-103	Strobe, Slow -> Fast
		104-107	Open
		108-207	Pulse: Slow -> Fast
		208-212	Open
		213-251	Random
252-255	Open		
8	9		<b>Cyan</b>
		0-255	0-100%
9	10		<b>Magenta</b>
		0-255	0-100%
10	11		<b>Yellow</b>
		0-255	0-100%
11	12		<b>Color1</b>
		0-255	0-100%
12	13		<b>Color2</b>
		0-255	0-100%
13	14		<b>Color3</b>
		0-255	0-100%
14	15		<b>Static Gobo</b>
		0-9	Blank
		10-19	Gobo 1
		20-29	Gobo 2
		30-39	Gobo 3
		40-49	Gobo 4
		50-59	Gobo 5
		60-69	Gobo 6
		70-79	Gobo 7
		80-89	Gobo 1 Shake: Slow -> Fast
90-99	Gobo 2 Shake: Slow -> Fast		

		100-109	Gobo 3 Shake: Slow -> Fast
		110-119	Gobo 4 Shake: Slow -> Fast
		120-129	Gobo 5 Shake: Slow -> Fast
		130-139	Gobo 6 Shake: Slow -> Fast
		140-149	Gobo 7 Shake: Slow -> Fast
		150-202	Rotation(CW): Fast -> Slow
		203-255	Rotation(CCW): Slow -> Fast
			<b>Rotating Gobo</b>
		0-9	Blank
		10-19	Gobo 1
		20-29	Gobo 2
		30-39	Gobo 3
		40-49	Gobo 4
		50-59	Gobo 5
		60-69	Gobo 6
		70-79	Gobo 7
		80-89	Gobo 1 Shake: Slow -> Fast
		90-99	Gobo 2 Shake: Slow -> Fast
		100-109	Gobo 3 Shake: Slow -> Fast
		110-119	Gobo 4 Shake: Slow -> Fast
		120-129	Gobo 5 Shake: Slow -> Fast
		130-139	Gobo 6 Shake: Slow -> Fast
		140-149	Gobo 7 Shake: Slow -> Fast
		150-202	Rotation(CW): Fast -> Slow
		203-255	Rotation(CCW): Slow -> Fast
			<b>Gobo Rotating</b>
		0-127	Gobo Position
		128-191	Gobo Rotation(CW): Fast->Slow
		192-255	Gobo Rotation(CCW): Slow-> Fast
			<b>Gobo Rotating index fine</b>
		0-255	0-100%
			<b>Focus</b>
		0-255	0-100%
			<b>Focus fine</b>
		0-255	0-100%
			<b>Auto focus</b>
		0-55	Auto Focus Disable
		56-105	Auto Focus 3m
		106-155	Auto Focus 5m
		156-205	Auto Focus 10m
		206-255	Auto Focus 15m
			<b>Zoom</b>
		0-255	0-100%
			<b>Zoom fine</b>
		0-255	0-100%
			<b>Prism1</b>
		0-127	Prism 1 out
		128-255	Prism 1 in to the light beam
			<b>Prism1 Rotate</b>
		0-127	0-100%
		128-191	Rotation(CW): Fast -> Slow
		192-255	Rotation(CCW): Slow -> Fast
			<b>Prism2</b>
		0-127	Prism 2 out

		128-255	Prism 2 in to the light beam
22	27		<b>Prism2 Rotate</b>
		0-127	0-100%
		128-191	Rotation(CW): Fast -> Slow
		192-255	Rotation(CCW): Slow -> Fast
23	28		<b>Iris</b>
		0-255	0-100%
24	29		<b>Frost</b>
		0-255	0-100%
25	30		<b>Reset</b>
		0-31	Unused
		32-63	Pan/Tilt Reset
		64-95	Head Reset
		96-127	Complete Reset
		128-159	Reserved
		160-191	Reserved
		192-223	Reserved
224-255	Reserved		

**Note: There may be difference on the User Manual according to product version.**