Sharpy X Spot
DMX chart

06/2023

OPERATING MODE

The projector has one single operating mode that take 32 DMX channels.

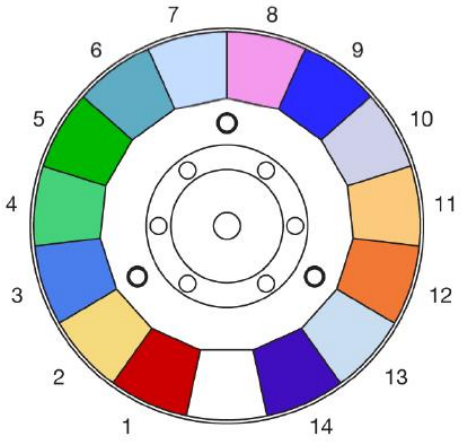
DMX list

DMX Parameter	FUNCTION
1	CYAN
2	MAGENTA
3	YELLOW
4	CTO
5	COLOR FUNCTION
6	COLOR WHEEL
7	STROBE
8	DIMMER
9	DIMMER FINE
10	IRIS
11	FIXED GOBO INSERTION
12	EFFECT INSERTION
13	EFFECT ROTATION
14	ROTATING GOBO INSERTION
15	GOBO ROTATION
16	GOBO ROTATION FINE

DMX Parameter	FUNCTION
17	4 PRISM INSERTION
18	4 PRISM ROTATION
19	8 PRISM INSERTION
20	8 PRISM ROTATION
21	FROST
22	ZOOM
23	FOCUS
24	FOCUS FINE
25	BEAM MODE
26	PAN
27	PAN FINE
28	TILT
29	TILT FINE
30	FUNCTION
31	RESET
32	LAMP CONTROL

Function details

DMX Parameter	Bit Values	Function
1	000 – 255	**CYAN**
		Cyan color linear - white to full (Color Mixing → CMY)
		Cyan color linear - full to white (Color Mixing → RGB)
2	000 – 255	**MAGENTA**
		Magenta color linear - white to full (Color Mixing → CMY)
		Magenta color linear - full to white (Color Mixing → RGB)
3	000 – 255	**YELLOW**
		Yellow color linear - white to full (Color Mixing → CMY)
		Yellow color linear - from full to white (Color Mixing → RGB)
4	000 – 255	**CTO**
		CTO linear
5		**COLOR Function**
	000 – 085	Full Color
	086 – 170	Half Color
	171 – 255	Linear Path
6		**COLOR WHEEL**
		FULL COLOR (Parameter 5 – Bit 0 - 89)
	000 – 005	Empty position
	006 – 011	Dark Red
	012 – 017	2500K
	018 – 023	Brilliant Blue
	024 – 029	Light Green
	030 – 035	Dark Green
	036 – 041	Aquamarine
	042 – 047	Lavender
	048 – 053	Pink
	054 – 059	Navy Blue
	060 – 065	H.M. Green
	066 – 071	Light Orange
	072 – 077	Dark Orange
	078 – 083	CCT Blue
	084 – 089	UV
	090 – 127	CW rotation from slow to fast
	128 – 255	Indexing position from 0 to 360°



DMX Parameter	Bit Values	Function
6		**HALF COLOR (Parameter 5 – Bit 86 - 170)**
	000 – 002	Empty position
	003 – 005	Empty + Dark Red
	006 – 008	Dark Red
	009 – 011	Dark Red + 2500K
	012 – 014	2500K
	015 – 017	2500K + Brilliant Blue
	018 – 020	Brilliant Blue
	021 – 023	Brilliant Blue + Light Green
	024 – 026	Light Green
	027 – 029	Light Green + Dark Green
	030 – 032	Dark Green
	033 – 035	Dark Green + Aquamarine
	036 – 038	Aquamarine
	039 – 041	Aquamarine + Lavender
	042 – 044	Lavender
	045 – 047	Lavender + Pink
	048 – 050	Pink
	051 – 053	Pink + Navy Blue
	054 – 056	Navy Blue
	057 – 059	Navy Blue + H.M. Green
	060 – 062	H.M. Green
	063 – 065	H.M. Green + Light Orange
	066 – 068	Light Orange
	069 – 071	Light Orange + Dark Orange
	072 – 074	Dark Orange
	075 – 077	Dark Orange + CCT Blue
	078 – 080	CCT Blue
	081 – 083	CCT Blue + UV
	084 – 086	UV
	087 – 089	UV + Empty
	090 – 127	CW rotation from slow to fast
	128 – 255	Indexing position from 0 to 360°

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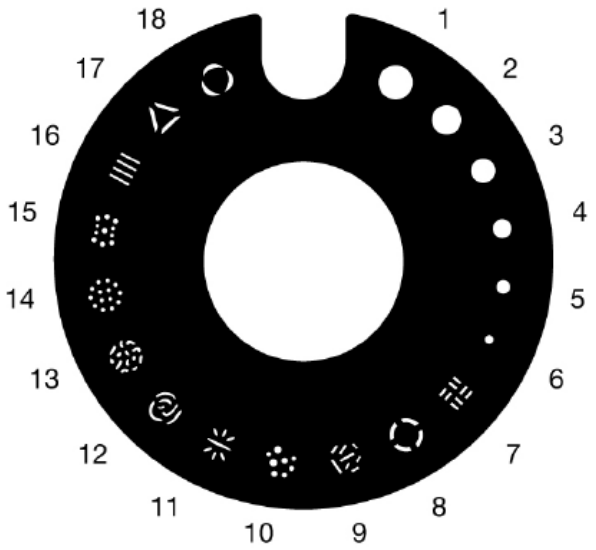
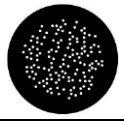
DMX Parameter	Bit Values	Function
6		**LINEAR PATH (Parameter 5 – Bit 171 - 255)**
	000	Empty position
	006	Dark Red
	012	2500K
	018	Brilliant Blue
	024	Light Green
	030	Dark Green
	036	Aquamarine
	042	Lavender
	048	Pink
	054	Navy Blue
	060	H.M. Green
	066	Light Orange
	072	Dark Orange
	078	CCT Blue
	084	UV
	090 – 127	Linear CW rotation from slow to fast
	128 – 255	Index (position from 0° to 360°)
7		**STROBE**
	000 – 003	Light OFF
	004 – 103	Linear Strobe slow (1 flash/sec) to fast (25 flashes/sec)
	104 – 107	Light ON
	108 – 207	Linear Pulse slow to fast
	208 – 212	Light ON
	213 – 225	Random Strobe at low frequency
	226 – 238	Random Strobe at medium frequency
	239 – 251	Random Strobe at high frequency
	252 – 255	Light ON
8		**DIMMER**.
	000 – 255	Linear dimmer 0 – 100
9	**000 – 255**	**DIMMER FINE (16 bit)**
10		**IRIS**
	000 – 127	Linear open from min to max aperture
	128 – 131	Maximum aperture
	132 – 171	Pulse slow to fast speed
	172 – 211	Pulse slow to fast speed instant opening
	212 – 251	Pulse slow to fast speed instant fast closing
	252 – 255	Maximum aperture

DMX Parameter	Bit Values	Function	
11		**STATIC GOBO WHEEL**	
	000 – 003	Open	
	004 – 007	Gobo 1	
	008 – 011	Gobo 2	
	012 – 014	Gobo 3	
	015 – 018	Gobo 4	
	019 – 022	Gobo 5	
	023 – 026	Gobo 6	
	027 – 029	Gobo 7	
	030 – 033	Gobo 8	
	034 – 037	Gobo 9	
	038 – 041	Gobo 10	
	042 – 044	Gobo 11	
	045 – 048	Gobo 12	
	049 – 052	Gobo 13	
	053 – 056	Gobo 14	
	057 – 059	Gobo 15	
	060 – 063	Gobo 16	
	064 – 067	Gobo 17	
	068 – 071	Gobo 18	
	072 – 113	Linear CCW rotation from fast to slow	
	114 – 117	Stop rotation	
	118 – 159	Linear CW rotation from slow to fast	
	160 – 165	Gobo 1 shakes at variable speed from slow to fast	
	166 – 170	Gobo 2 shakes at variable speed from slow to fast	
	171 – 175	Gobo 3 shakes at variable speed from slow to fast	
	176 – 181	Gobo 4 shakes at variable speed from slow to fast …	
	182 – 186	Gobo 5 shakes at variable speed from slow to fast …	
	187 – 191	Gobo 6 shakes at variable speed from slow to fast	
	192 – 196	Gobo 7 shakes at variable speed from slow to fast …	
	197 – 202	Gobo 8 shakes at variable speed from slow to fast …	
	203 – 207	Gobo 9 shakes at variable speed from slow to fast …	
	208 – 212	Gobo 10 shakes at variable speed from slow to fast …	
	213 – 218	Gobo 11 shakes at variable speed from slow to fast …	
	219 – 223	Gobo 12 shakes at variable speed from slow to fast …	
	224 – 228	Gobo 13 shakes at variable speed from slow to fast …	
	229 – 233	Gobo 14 shakes at variable speed from slow to fast …	
	234 – 239	Gobo 15 shakes at variable speed from slow to fast …	
	240 – 244	Gobo 16 shakes at variable speed from slow to fast …	
	245 – 249	Gobo 17 shakes at variable speed from slow to fast …	
	250 – 255	Gobo 18 shakes at variable speed from slow to fast	
12		**ANIMATION WHEEL INSERTION**	
	000 – 007	Animation wheel out	
	008 – 255	Animation wheel linear in	

DMX Parameter	Bit Values	Function	
13		**ANIMATION WHEEL ROTATION**	
	000 – 003	Stop	
	004 – 127	Linear CW rotation at from slow to fast	
	128 – 132	Stop	
	133 – 255	Linear CCW rotation from slow to fast	
14		**ROTATING GOBO CHANGE**	
	000 – 007	Empty position	
	008 – 015	Gobo 1	
	016 – 023	Gobo 2	
	024 – 031	Gobo 3	
	032 – 039	Gobo 4	
	040 – 047	Gobo 5	
	048 – 055	Gobo 6	
	056 – 063	Gobo 7	
	064 – 071	Gobo 8	
	072 – 113	Linear CCW from fast to slow.	
	114 – 117	Stop	
	118 – 159	Linear CW from slow to Fast	
	160 – 171	Gobo 1 shakes from slow to fast	
	172 – 183	Gobo 2 shakes from slow to fast	
	184 – 195	Gobo 3 shakes from slow to fast	
	196 – 207	Gobo 4 shakes from slow to fast	
	208 – 219	Gobo 5 shakes from slow to fast	
	220 – 231	Gobo 6 shakes from slow to fast	
	232 – 243	Gobo 7 shakes from slow to fast	
	244 – 255	Gobo 8 shakes from slow to fast	

DMX Parameter	Bit Values	Function
15		**GOBO ROTATION**
	000 – 021	Gobo indexing: 0° to 90° range
	022 – 042	Gobo indexing: 90° to 180° range
	043 – 063	Gobo indexing: 180° to 270° range
	064 – 084	Gobo indexing: 270° to 360° range
	085 – 105	Gobo indexing: 360° to 450° range
	106 – 127	Gobo indexing: 450° to 540° range
	128 – 190	CW gobo from fast to slow
	191 – 192	Stop rotation
	193 – 255	Linear CCW from slow to fast
16	**000 – 255**	**FINE CCW ROTATION**
17		**4 PRISM INSERTION**
	000 – 127	Prism OUT
	128 – 255	Prism IN
18		**4 PRISM ROTATION**
	000 – 021	Prism indexing: 0° to 90° range
	022 – 042	Prism indexing: 90° to 180° range
	043 – 063	Prism indexing: 180° to 270° range
	064 – 084	Prism indexing: 270° to 360° range
	085 – 105	Prism indexing: 360° to 450° range
	106 – 127	Prism indexing: 450° to 540° range
	128 – 190	Linear CW from fast to slow
	191 – 192	Stop
	193 – 255	Linear CCW from slow to fast
19		**8 PRISM INSERTION**
	000 – 127	8 Prism Excluded
	128 – 255	8 facet Prism inserted
20		**8 PRISM ROTATION**
	000 – 021	Prism indexing: 0° to 90° range
	022 – 042	Prism indexing: 90° to 180° range
	043 – 063	Prism indexing: 180° to 270° range
	064 – 084	Prism indexing: 270° to 360° range
	085 – 105	Prism indexing: 360° to 450° range
	106 – 127	Prism indexing: 450° to 540° range
	128 – 190	Linear CW fast to slow
	191 – 192	Stop

DMX Parameter	Bit Values	Function
21		**FROST**
	000 – 255	Linear IN
22		**ZOOM**
	000 – 255	Linear wide to narrow beam
23		**FOCUS**
	000 – 255	Linear from distant to near position
24	0 – 255	**FOCUS FINE**
25		**BEAM MODE**
	000 – 127	SPOT mode
	128 – 255	BEAM mode
26		**PAN**
	000 – 255	CCW positioning from 0° to 540° (default setting)
27	000 – 255	**PAN FINE**
28		**TILT**
	000 – 255	CW positioning from 0° to 270° (default setting)
29	000 – 255	**TILT FINE**
30		**FUNCTION**
	000 – 050	Unused range
	051 – 060	Pan invert ON
	061 – 070	Pan invert OFF
	071 – 080	Tilt invert ON
	081 – 090	Tilt invert OFF
	091 – 100	Pan/Tilt at 0%
	101 – 110	Pan/Tilt at 100%
	111 – 120	CMY Standard speed
	121 – 130	CMY Fast speed
	131 – 150	Unused range (Default setting)
	151 – 155	Pan/Tilt standard speed
	156 – 160	Pan/Tilt fast speed (Default setting)
	161 – 170	Display OFF (Default setting)
	171 – 180	Display ON
	181 – 200	Unused range
	201 – 210	CMY curve STD (Default setting)
	211 – 220	CMY curve Linear
	221 – 225	Dimmer calibration factory
	221 – 230	Dimmer calibration Customized
	231 – 235	Set Customized Dimmer calibration
	236 – 240	Record Customized Dimmer calibration
	241 – 245	Safety Black Out ON (Default)
	246 – 250	Safety Black Out OFF
	251 – 253	Dimmer Reset at 0
	254 – 255	Dimmer Reset at 255
		IMPORTANT: The functions are activated/selected staying in the necessary range for 3 seconds

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DMX Parameter	Bit Values	Function
31		**RESET** **IMPORTANT:** The reset is activated staying in the range for 5 seconds
	000 – 025	Unused range
	026 – 076	Effects reset
	077 – 127	Pan / Tilt reset
	128 – 255	Complete fixture reset
32		**LAMP CONTROL**
	000 – 025	Unused range
	026 – 100	Lamp OFF Lamp switch-off staying in this range for 3 seconds
	101 – 255	Lamp ON Lamp switch-on staying in this range for 3 seconds **SHARPY X Spot is not provided with hot re-strike igniter** After switching-off the lamp wait at least 2 minutes before switching-on it again

IMPORTANT NOTES
After switching-off the lamp wait at least 2 minutes before switching-on it again
To prevent accidental breakage of the effects, which could collide with each other's during transport, before switching the projector OFF, check that all the fixture Channels have been excluded (DMX level = 0 bit.).
Make sure to ''Switch-Off'' the lamp before to ''Switch-Off'' the fixture.