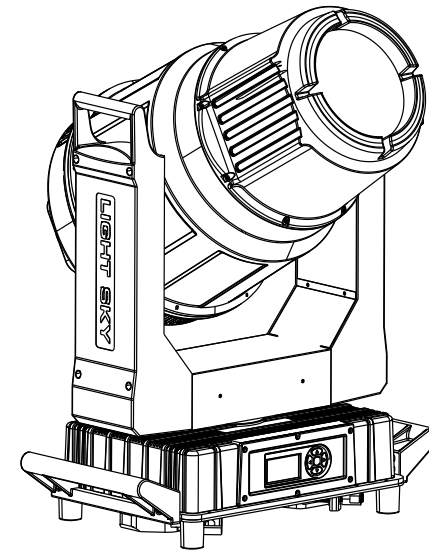


LIGHT SKY[®]

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SHARK 450BSW

USER CHANNEL

Please read these user manual carefully before use!

CHANNEL FUNCTION(V1.0)

Channel	DMX	Percentage	Function	
1	0-255	0-100	Pan	
2	0-255	0-100	Pan Fine	
3	0-255	0-100	Tilt	
4	0-255	0-100	Tilt fine	
5			Function	
	0-9		Reserved (0=default)	
	10-14		Reserved	
	15-19		Reserved	
	20-24		Reserved	
	25-29		Reserved	
	30-34		Reserved	
	35-39		Reserved	
	40-44		Reserved	
	45-49		Reserved	
	50-54		Reserved	
	55-59		Reserved	
	60-64		Reserved	
	65-69		Reserved	
	70-74		Reserved	
	75-79		Reserved	
	80-84		Reserved	
	85-89		Reserved	
	90-94		Reserved	
	95-99		Reserved	
	100-101		Reserved	
	102-103		Reserved	
	104-105		Reserved	
	106-107		Reserved	
108-119		Reserved		
120-124		Reserved		
125-129		Reserved		
130 - 139		Lamp On		
140 - 149		Pan/Tilt reset		
150 - 159		Colour system reset		
160 - 169		Gobo wheels reset		
170 - 179		Dimmer/Shutter reset		
180 - 189		Zoom/focus/frost/prism wheels reset		
190 - 199		Effect wheel reset		
200 - 209		Total reset		
210 - 229		Reserved		
230 - 239		Lamp Off		
240 - 244		Reserved		
245 - 249		Reserved		
250 - 255		Reserved		
6			Dimmer intensity	
	0 - 255		Dimmer intensity from 0% to 100% (0=default)	
7			Shutter/ strobe	
	0 - 31		Shutter closed	
	32 - 63		Shutter open (32=default)	
	64 - 95		Strobe-effect from slow to fast	
	96 - 127		Shutter open	
	128 - 143		Opening pulse in sequences from slow to fast	

Channel	DMX	Percentage	Function	
	144 - 159		Closing pulse in sequences from fast to slow	
	160 - 191		Shutter open	
	192 - 223		Random strobe-effect from slow to fast	
	224 - 255		Shutter open, Full lamp power	
8			Cyan	
	0 - 255		Cyan from min. saturation --> full cyan (0=default)	
9			Magenta	
	0 - 255		Magenta from min. saturation --> full magenta (0=default)	
10			Yellow	
	0 - 255		Yellow from min. saturation --> full yellow (0=default)	
11			Colour wheel	
			Continual positioning	
		0-4	White	
		5-8	White+Red	
		9-12	Red	
		13-16	Red+Orange	
		17-20	Orange	
		21-24	Orange+Aquamarine	
		25-28	Aquamarine	
		29-32	Aquamarine+Green	
		33-36	Green	
		37-40	Green+Light Green	
		41-44	Light Green	
		45-48	Light Green+Lavender	
		49-52	Lavender	
		53-56	Lavender+Pink	
		57-60	Pink	
		61-64	Pink+Yellow	
		65-68	Yellow	
		69-72	Yellow+Magenta	
		73-76	Magenta	
		77-80	Magenta+Cyan	
		81-84	Cyan	
		85-88	Cyan+CTO 260	
		89-92	CTO 260/CTO2	
		93-96	CTO 260+CTO 190/CTO2+CTO1	
		97-100	CTO 190/CTO1	
		101-104	CTO 190+CTB 8000/CTO1+CTB	
		105-108	CTB 8000/CTB	
		109-112	CTB 8000+Blue	
		113-116	Blue	
		117-120	Blue+White	
	121 - 181		Forwards rainbow effect from fast to slow	
	182 - 188		No rotation	
	189 - 249		Backwards rainbow effect from slow to fast	
	250 - 255		Auto random colour selection from fast to slow	
			Static gobo wheel	
	0-3		White	

Channel	DMX	Percentage	Function
12	4-7		Gobo1
	8-11		Gobo2
	12-15		Gobo3
	16-19		Gobo4
	20-23		Gobo5
	24-27		Gobo6
	28-31		Gobo7
	32-35		Gobo8
	36-39		Gobo9
	40-43		Gobo10
	44-47		Gobo11
			<i>Shaking gobos from slow to fast</i>
	48-60		Gobo1 Shake Slow-Fast Speed
	61-73		Gobo2 Shake Slow-Fast Speed
	74-86		Gobo3 Shake Slow-Fast Speed
	87-99		Gobo4 Shake Slow-Fast Speed
	100-112		Gobo5 Shake Slow-Fast Speed
	113-125		Gobo6 Shake Slow-Fast Speed
	126-138		Gobo7 Shake Slow-Fast Speed
	139-151		Gobo8 Shake Slow-Fast Speed
	152-164		Gobo9 Shake Slow-Fast Speed
	165-177		Gobo10 Shake Slow-Fast Speed
	178-190		Gobo11 Shake Slow-Fast Speed
	191-207		Effect Shake Slow-Fast Speed
	208-226		Forwards gobo wheel rotation from fast to slow
227-230		No rotation	
231-249		Backwards gobo wheel rotation from slow to fast	
250-255		Auto random gobo selection from fast to slow	
13			Rotating gobo wheel
			/Index - set indexing on channel 14
	0		Open/Hole (0=default)
	1-8		Hole (flat field)
	9-21		Gobo 1
	22-34		Gobo 2
	35-47		Gobo 3
	48-60		Gobo 4
	61-73		Gobo 5
	74-86		Gobo 6
	87-99		Gobo 7
	100-112		Gobo 8
			<i>Shaking gobo from slow to fast</i>
			Index - set indexing on channel 14
	113-125		Gobo 1
	126-138		Gobo 2
	139-151		Gobo 3
	152-164		Gobo 4
	165-177		Gobo 5
	178-190		Gobo 6
191-203		Gobo 7	
204-216		Gobo 8	
217-249		Open/hole	

Channel	DMX	Percentage	Function	
	250-255		Auto random gobo selection from fast to slow	
14			Rot. gobo indexing and rotation	
	0 - 127		Gobo indexing	
	128 - 187		Forwards gobo rotation from fast to slow	
	188-195		No rotation	
	196 - 255		Backwards gobo rotation from slow to fast	
15			Prism wheel 1	
			This wheel is blocked If Rotating gobo wheel >0 DMX	
	0-3		Open position/hole (0=default)	
			Index - set indexing on channel 16	
	4-15		Prism 3 - 6-facet linear	
	16-27		Prism 2 - 4-facet 12° circular	
	28-39		Prism 1 - 8-facet 12° circular	
			Rotation - set rotation on channel 16	
	40-51		Prism 3 - 6-facet linear	
52-63		Prism 2 - cylindrical		
64-75		Prism 1 - 8-facet 12° circular		
76-255		Raw DMX		
16			Prism wheel 1 indexing/rotation	
			Prism indexing - set position on channel 15	
	0 - 255		Prism 1 indexing	
			Prism 1 rotation - set position on channel 15	
	0-3		No rotation	
	4-34		Slow → Fast, 90° Rotating back and forth	
	35-65		Slow → Fast, 180° Rotating back and forth	
	66-96		Slow → Fast, 270° Rotating back and forth	
	97-127		Slow → Fast, 360° Rotating back and forth	
	128-188		Forwards prism rotation from fast to slow	
189-194		No rotation (128=default)		
195-255		Backwards prism rotation from slow to fast		
17			Prism wheel 2	
	0-3		Open position/hole (0=default)	
			Index - set indexing on channel 18	
	4-15		Prism - 8-facet 18° circular	
			Rotation - set rotation on channel	
	16-27		Prism - 8-facet 18° circular	
28-255		Raw DMX		
18			Prism wheel 2 indexing/rotation	
			Prism indexing - set position on channel 17	
	0-255		Prism indexing	
			Prism rotation-set position on channel 17	
	0		No rotation	
	4-34		Slow → Fast, 90° Rotating back and forth	
	35-65		Slow → Fast, 180° Rotating back and forth	
	66-96		Slow → Fast, 270° Rotating back and forth	
97-127		Slow → Fast, 360° Rotating back and forth		

Channel	DMX	Percentage	Function	
	128-188		Forwards prism rotation from fast to slow	
	189-194		No rotation (128=default)	
	195-255		Backwards prism rotation from slow to fast	
19			Pattern selection	
	0-3		Open position/hole (0=default)	
			Index - set indexing on channel 20	
	4-14		Prism macro Index 1	
	15-25		Prism macro Index 2	
	26-36		Prism macro Index 3	
	37-47		Prism macro Index 4	
	48-58		Prism macro Index 5	
	59-69		Prism macro Index 6	
	70-80		Prism macro Index 7	
			Rotation - set rotation on channel 20	
	81-91		Prism macro rotation 1	
	92-102		Prism macro rotation 2	
	103-113		Prism macro rotation 3	
	114-124		Prism macro rotation 4	
	125-135		Prism macro rotation 5	
	136-146		Prism macro rotation 6	
	147-157		Prism macro rotation 7	
	158-168		Prism macro rotation 8	
169-179		Prism macro rotation 9		
180-190		Prism macro rotation 10		
191-255		Raw DMX		
20			Pattern rotation and indexing	
			The channels are blocked: Prism Wheel 1/2, Prism Wheel 1/2 rot.	
			Pattern indexing - set position on channel 19	
	0 - 255		Pattern indexing	
			Pattern rotation - set position on channel 19	
	0		No rotation	
	1-127		Forwards pattern rotation from fast to slow	
	128		No rotation (128=default)	
	129-255		Backwards pattern rotation from slow to fast	
21			Frost	
	0-19		Open (0=default)	
	20-128		100% Light Frost	
	129-169		Pulse closing from slow to fast	
	170-210		Pulse opening from fast to slow	
	211-255		Ramping from fast to slow	
22			Zoom	
	0 - 255		Zoom from max. to min.beam angle (128=default)	
23			Zoom - fine	
	0 - 255		Fine zooming (0=default)	
24			Focus	
	0 - 255		Continuous adjustment from far to near (128=default)	
25			Focus Fine	
	0 - 255		Fine focusing (0=default)	

Channel	DMX	Percentage	Function	
26			Focus2 AutoFocus on channel 27	
	0-255		AutoFocus	
27			Autofocus (priority & distance selection)	
			Select desired distance and effect on which you need to focus and use "Focus2" channel (26) to focus the image.	
	0-15		Autofocus Off	
	16-55		10 metres	
	56-95		15 metres	
	96-135		20 metres	
	136-175		30 metres	
	176-215		40 metres	
216-255		50 metres		
28			Effect Macro	
	0-15		Reserved	
	16-25		Effect 1	
	26-35		Effect 2	
	36-45		Reserved	
	46-55		Reserved	
	56-65		Reserved	
	66-75		Reserved	
	76-85		Reserved	
	86-95		Reserved	
	96-105		Reserved	
	106-115		Reserved	
	116-125		Reserved	
	126-135		Reserved	
	136-145		Reserved	
	146-155		Reserved	
	156-165		Reserved	
	166-175		Reserved	
	176-185		Reserved	
	186-195		Reserved	
196-205		Reserved		
206-215		Reserved		
216-225		Reserved		
226-235		Reserved		
236-245		Reserved		
246-255		Reserved		