

LIGHT SKY[®]

FLY DRAGON LIGHTING EQUIPMENT CO.,LTD



E180B USER MANUAL

Please read these user manual carefully before use!

LIGHT SKY[®]

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LIGHT SKY[®]



CHANNEL FUNCTION(V1.0)/16CH

Channel	DMX	Percent	Functions	Note
1			Colour	
	0-4	0-1.56	White	
	5-8	1.96-3.14	White+Red	
	9-12	3.53-4.71	Red	
	13-17	5.10-6.67	Red+Orange	
	18-21	7.06-8.24	Orange	
	22-25	8.63-9.80	Orange+Aquamarine	
	26-29	10.2-11.4	Aquamarine	
	30-34	11.8-13.3	Aquamarine+Green	
	35-38	13.7-14.9	Green	
	39-42	15.3-16.5	Green+Light Green	
	43-46	16.9-18.0	Light Green	
	47-51	18.4-20.0	Light Green+Lavender	
	52-55	20.4-21.6	Lavender	
	56-59	22.0-23.1	Lavender+Pink	
	60-63	23.5-24.7	Pink	
	64-68	25.1-26.7	Pink+Yellow	
	69-72	27.0-28.2	Yellow	
	73-76	28.6-29.8	Yellow+Magenta	
	77-81	30.2-31.8	Magenta	
	82-85	32.2-33.3	Magenta+Cyan	
	86-89	33.7-34.9	Cyan	
	90-93	35.3-36.5	Cyan+CT0 260	
	94-98	36.9-38.4	CT0 260/CT02	
	99-102	38.8-40.0	CT0 260+CT0 190/CT02+CT01	
	103-106	40.4-41.6	CT0 190/CT01	
	107-110	42.0-43.1	CT0 190+CTB 8000/CT01+CTB	
	111-115	43.5-45.1	CTB 8000/CTB	
	116-119	45.5-46.7	CTB 8000+Blue	
	120-123	47.1-48.2	Blue	
	124-127	48.6-49.8	Blue+White	
	128-191	50.2-74.9	CCW, Fast→Slow Rotation	
	192-255	75.3-100	CW, Slow→Fast Rotation	
2			Strobe	
	0-3	0-1.2	Closed	
	4-103	1.6-40.4	Slow-Fast Strobe	
	104-107	40.8-42.0	Open	
	108-157	42.4-61.6	Slow→Fast, Fast shut slowly open	
	158-207	62.0-81.2	Slow→Fast, Fast open slowly shut	
	208-212	81.6-83.1	Open	
	213-251	83.5-98.4	Random Slow-Fast Strobe	
	252-255	99.8-100	Open	
3	0-255	0-100	Dimmer	
			Gobo	
	0-3	0-1.2	White	
	4-7	1.6-2.7	Gobo1	
	8-11	3.1-4.3	Gobo2	
	12-15	4.7-5.9	Gobo3	
	16-19	6.3-7.5	Gobo4	
	20-23	7.8-9.0	Gobo5	
	24-27	9.4-10.6	Gobo6	
	28-31	11.0-12.2	Gobo7	
	32-35	12.5-13.7	Gobo8	

Channel	DMX	Percent	Functions	Note
4	36-39	14.1-15.3	Gobo9	
	40-43	15.7-16.9	Gobo10	
	44-47	17.3-18.4	Gobo11	
	48-51	18.8-20.0	Gobo12	
	52-55	20.4-21.6	Gobo13	
	56-59	22.0-23.1	Gobo14	
	60-73	23.5-28.6	Gobo1 Shake Slow-Fast Speed	
	74-87	29.0-34.1	Gobo2 Shake Slow-Fast Speed	
	88-101	31.4-39.6	Gobo3 Shake Slow-Fast Speed	
	102-115	40.0-45.1	Gobo4 Shake Slow-Fast Speed	
	116-129	45.5-50.6	Gobo5 Shake Slow-Fast Speed	
	130-143	51.0-56.1	Gobo6 Shake Slow-Fast Speed	
	144-157	56.5-61.6	Gobo7 Shake Slow-Fast Speed	
	158-171	62.0-67.1	Gobo8 Shake Slow-Fast Speed	
	172-185	67.5-72.6	Gobo9 Shake Slow-Fast Speed	
	186-199	72.9-78.0	Gobo10 Shake Slow-Fast Speed	
	200-213	78.4-83.5	Gobo11 Shake Slow-Fast Speed	
	214-227	83.9-89.0	Gobo12 Shake Slow-Fast Speed	
	228-241	89.4-94.5	Gobo13 Shake Slow-Fast Speed	
	242-255	94.9-100	Gobo14 Shake Slow-Fast Speed	
5			Prism	
	0-63	0-24.7	Unused Range	
	64-127	25-49.8	Prism1	
	128-191	50.2-74.9	Prism2	
	192-255	75.3-100	Prism1+Prism2	
6			Prism Rotation	
	0	0	Unused Range	
	1-63	0.4-24.7	Angular linear adjustment	
			Three prism effects are selected: set the prism (prism 1, prism 2 or prism 1+ prism 2) in the 5th channel	
	64-127	25.1-49.8	CCW, Fast → Slow	
	128-191	50.2-74.9	CW, Slow → Fast	
	192-207	75.3-81.2	Slow → Fast, 90° to and fro Rotating	
	208-223	81.6-87.5	Slow → Fast, 180° to and fro Rotating	
	224-239	87.8-93.7	Slow → Fast, 270° to and fro Rotating	
	240-255	94.1-100	Slow → Fast, 360° to and fro Rotating	
7			Prism Macro	
	0-15	0-5.9	Unused Range	
	16-55	6.3-21.6	Fast → Slow, prism 8 Freedom to switch	
	56-95	22.0-37.3	Fast → Slow, prism 16 Freedom to switch	
	96-135	37.6-52.9	Fast → Slow, 8 prism +16 prism can be switched freely at the same time	
	136-175	53.3-68.6	Fast → Slow, 8 prism selection +16 prism free switching	
	176-215	69.0-84.3	Fast → Slo, 16 prism selection +8 prism free switching	
	216-255	84.7-100	Fast → Slow, Prism 8 and prism 16 interlock switch	
8	0-255	0-100	Frost	
9	0-255	0-100	Focus	

Channel	DMX	Percent	Functions	Note
10	0-255	0-100	Pan	
11	0-255	0-100	Pan Fine	
12	0-255	0-100	TILT	
13	0-255	0-100	TILT Fine	
14	0-255	0-100	Unused Range	
15			Reset	
	0-25		Unused Range	
	26-76		Effects Reset	
	77-127		PAN/TILT Reset	
	128-255		Complete Reset	
16			NC	

CHANNEL FUNCTION(V1.0)/16CH PLUS

Channel	DMX	Percent	Functions	Note
1			Colour	
	0-4	0-1.56	White	
	5-8	1.96-3.14	White+Red	
	9-12	3.53-4.71	Red	
	13-17	5.10-6.67	Red+Orange	
	18-21	7.06-8.24	Orange	
	22-25	8.63-9.80	Orange+Aquamarine	
	26-29	10.2-11.4	Aquamarine	
	30-34	11.8-13.3	Aquamarine+Green	
	35-38	13.7-14.9	Green	
	39-42	15.3-16.5	Green+Light Green	
	43-46	16.9-18.0	Light Green	
	47-51	18.4-20.0	Light Green+Lavender	
	52-55	20.4-21.6	Lavender	
	56-59	22.0-23.1	Lavender+Pink	
	60-63	23.5-24.7	Pink	
	64-68	25.1-26.7	Pink+Yellow	
	69-72	27.0-28.2	Yellow	
	73-76	28.6-29.8	Yellow+Magenta	
	77-81	30.2-31.8	Magenta	
	82-85	32.2-33.3	Magenta+Cyan	
	86-89	33.7-34.9	Cyan	
	90-93	35.3-36.5	Cyan+CT0 260	
	94-98	36.9-38.4	CT0 260/CT02	
	99-102	38.8-40.0	CT0 260+CT0 190/CT02+CT01	
	103-106	40.4-41.6	CT0 190/CT01	
	107-110	42.0-43.1	CT0 190+CTB 8000/CT01+CTB	
	111-115	43.5-45.1	CTB 8000/CTB	
	116-119	45.5-46.7	CTB 8000+Blue	
	120-123	47.1-48.2	Blue	
	124-127	48.6-49.8	Blue+White	
	128-191	50.2-74.9	CCW, Fast→Slow Rotation	
	192-255	75.3-100	CW, Slow→Fast Rotation	
2			Strobe	
	0-3	0-1.2	Closed	
	4-103	1.6-40.4	Slow-Fast Strobe	
	104-107	40.8-42.0	Open	
	108-157	42.4-61.6	Slow→Fast, Fast shut slowly open	
	158-207	62.0-81.2	Slow→Fast, Fast open slowly shut	
	208-212	81.6-83.1	Open	
	213-251	83.5-98.4	Random Slow-Fast Strobe	
	252-255	99.8-100	Open	
3	0-255	0-100	Dimmer	
			Gobo	
	0-3	0-1.2	White	
	4-7	1.6-2.7	Gobo1	
	8-11	3.1-4.3	Gobo2	
	12-15	4.7-5.9	Gobo3	

Channel	DMX	Percent	Functions	Note
4	16-19	6. 3-7. 5	Gobo4	
	20-23	7. 8-9. 0	Gobo5	
	24-27	9. 4-10. 6	Gobo6	
	28-31	11. 0-12. 2	Gobo7	
	32-35	12. 5-13. 7	Gobo8	
	36-39	14. 1-15. 3	Gobo9	
	40-43	15. 7-16. 9	Gobo10	
	44-47	17. 3-18. 4	Gobo11	
	48-51	18. 8-20. 0	Gobo12	
	52-55	20. 4-21. 6	Gobo13	
	56-59	22. 0-23. 1	Gobo14	
	60-69	23. 5-27. 1	Gobo1 Shake Slow-Fast Speed	
	70-79	27. 5-31	Gobo2 Shake Slow-Fast Speed	
	80-89	31. 4-34. 9	Gobo3 Shake Slow-Fast Speed	
	90-99	35. 3-38. 8	Gobo4 Shake Slow-Fast Speed	
	100-109	39. 2-42. 7	Gobo5 Shake Slow-Fast Speed	
	110-119	43. 1-46. 7	Gobo6 Shake Slow-Fast Speed	
	120-129	47. 1-50. 6	Gobo7 Shake Slow-Fast Speed	
	130-139	51-54. 5	Gobo8 Shake Slow-Fast Speed	
	140-149	54. 9-58. 4	Gobo9 Shake Slow-Fast Speed	
	150-159	58. 8-62. 4	Gobo10 Shake Slow-Fast Speed	
	160-169	62. 7-66. 3	Gobo11 Shake Slow-Fast Speed	
	170-179	66. 7-70. 2	Gobo12 Shake Slow-Fast Speed	
	180-189	70. 6-74. 1	Gobo13 Shake Slow-Fast Speed	
	190-199	74. 5-78	Gobo14 Shake Slow-Fast Speed	
	200-225	78. 4-88. 2	Fast-Slow Rotation	
	226-229	88. 6-89. 8	Stop	
	230-255	90. 2-100	Slow-Fast Rotation	
5			Prism	
	0-63	0-24. 7	Unused Range	
	64-127	25-49. 8	Prism1	
	128-191	50. 2-74. 9	Prism2	
	192-255	75. 3-100	Prism1+Prism2	
6			Prism Rotation	
	0	0	Unused Range	
	1-63	0. 4-24. 7	Angular linear adjustment	
			Three prism effects are selected: set the prism (prism1, prism 2 or prism 1+prism 2) in the 5th channel	
	64-127	25. 1-49. 8	CCW, Fast → Slow	
	128-191	50. 2-74. 9	CW, Slow → Fast	
	192-207	75. 3-81. 2	Slow → Fast, 90° to and fro Rotating	
	208-223	81. 6-87. 5	Slow → Fast, 180° to and fro Rotating	
	224-239	87. 8-93. 7	Slow → Fast, 270° to and fro Rotating	
	240-255	94. 1-100	Slow → Fast, 360° to and fro Rotating	
			Prism Macro	
	0-15	0-5. 9	Unused Range	

Channel	DMX	Percent	Functions	Note
7	16-55	6.3-21.6	Fast → Slow, prism 8 Freedom to switch	
	56-95	22.0-37.3	Fast → Slow, prism 16 Freedom to switch	
	96-135	37.6-52.9	Fast → Slow, 8 prism +16 prism can be switched freely at the same time	
	136-175	53.3-68.6	Fast → Slow, 8 prism selection +16 prism free switching	
	176-215	69.0-84.3	Fast → Slo, 16 prism selection +8 prism free switching	
	216-255	84.7-100	Fast → Slow, Prism 8 and prism 16 interlock switch	
8	0-255	0-100	Frost	
9	0-255	0-100	Focus	
10	0-255	0-100	Pan	
11	0-255	0-100	Pan Fine	
12	0-255	0-100	TILT	
13	0-255	0-100	TILT Fine	
14	0-255	0-100	Unused Range	
15			Reset	
	0-25		Unused Range	
	26-76		Effects Reset	
	77-127		PAN/TITL Reset	
	128-255		Complete Reset	
16			NC/NC	

CHANNEL FUNCTION(V1.0)/14CH

Channel	DMX	Percent	Functions	Note
1			Colour	
	0-4	0-1.56	White	
	5-8	1.96-3.14	White+Red	
	9-12	3.53-4.71	Red	
	13-17	5.10-6.67	Red+Orange	
	18-21	7.06-8.24	Orange	
	22-25	8.63-9.80	Orange+Aquamarine	
	26-29	10.2-11.4	Aquamarine	
	30-34	11.8-13.3	Aquamarine+Green	
	35-38	13.7-14.9	Green	
	39-42	15.3-16.5	Green+Light Green	
	43-46	16.9-18.0	Light Green	
	47-51	18.4-20.0	Light Green+Lavender	
	52-55	20.4-21.6	Lavender	
	56-59	22.0-23.1	Lavender+Pink	
	60-63	23.5-24.7	Pink	
	64-68	25.1-26.7	Pink+Yellow	
	69-72	27.0-28.2	Yellow	
	73-76	28.6-29.8	Yellow+Magenta	
	77-81	30.2-31.8	Magenta	
	82-85	32.2-33.3	Magenta+Cyan	
	86-89	33.7-34.9	Cyan	
	90-93	35.3-36.5	Cyan+CTO 260	
	94-98	36.9-38.4	CTO 260/CTO2	
	99-102	38.8-40.0	CTO 260+CTO 190/CTO2+CTO1	
	103-106	40.4-41.6	CTO 190/CTO1	
	107-110	42.0-43.1	CTO 190+CTB 8000/CTO1+CTB	
	111-115	43.5-45.1	CTB 8000/CTB	
	116-119	45.5-46.7	CTB 8000+Blue	
	120-123	47.1-48.2	Blue	
	124-127	48.6-49.8	Blue+White	
	128-191	50.2-74.9	Fast-Slow Rotation	
	192-255	75.3-100	Slow-Fast Rotation	
2			Strobe	
	0-3	0-1.2	Closed	
	4-103	1.6-40.4	Slow-Fast Strobe	
	104-107	40.8-42.0	Open	
	108-157	42.4-61.6	Slow→Fast, Fast shut slowly open	
	158-207	62.0-81.2	Slow→Fast, Fast open slowly shut	
	208-212	81.6-83.1	Open	
	213-251	83.5-98.4	Random Slow-Fast Strobe	
	252-255	99.8-100	Open	
3	0-255	0-100	Dimmer	
4			Gobo	
	0-3	0-1.2	White	
	4-7	1.6-2.7	Gobo1	
	8-11	3.1-4.3	Gobo2	
	12-15	4.7-5.9	Gobo3	

Channel	DMX	Percent	Functions	Note
4	16-19	6.3-7.5	Gobo4	
	20-23	7.8-9.0	Gobo5	
	24-27	9.4-10.6	Gobo6	
	28-31	11.0-12.2	Gobo7	
	32-35	12.5-13.7	Gobo8	
	36-39	14.1-15.3	Gobo9	
	40-43	15.7-16.9	Gobo10	
	44-47	17.3-18.4	Gobo11	
	48-51	18.8-20.0	Gobo12	
	52-55	20.4-21.6	Gobo13	
	56-59	22.0-23.1	Gobo14	
	60-73	23.5-28.6	Gobo1 Shake Slow-Fast Speed	
	74-87	29.0-34.1	Gobo2 Shake Slow-Fast Speed	
	88-101	31.4-39.6	Gobo3 Shake Slow-Fast Speed	
	102-115	40.0-45.1	Gobo4 Shake Slow-Fast Speed	
	116-129	45.5-50.6	Gobo5 Shake Slow-Fast Speed	
	130-143	51.0-56.1	Gobo6 Shake Slow-Fast Speed	
	144-157	56.5-61.6	Gobo7 Shake Slow-Fast Speed	
	158-171	62.0-67.1	Gobo8 Shake Slow-Fast Speed	
	172-185	67.5-72.6	Gobo9 Shake Slow-Fast Speed	
	186-199	72.9-78.0	Gobo10 Shake Slow-Fast Speed	
	200-213	78.4-83.5	Gobo11 Shake Slow-Fast Speed	
	214-227	83.9-89.0	Gobo12 Shake Slow-Fast Speed	
	228-241	89.4-94.5	Gobo13 Shake Slow-Fast Speed	
	242-255	94.9-100	Gobo14 Shake Slow-Fast Speed	
5			Prism	
	0-63	0-24.7	Unused Range	
	64-127	25-49.8	Prism1	
	128-191	50.2-74.9	Prism2	
	192-255	75.3-100	Prism1+Prism2	
6			Prism Rotation	
	0	0	Unused Range	
	1-63	0.4-24.7	Angular linear adjustment	
	64-127	25.1-49.8	8 prism +16 prism from fast to slow, counterclockwise rotation	
	128-191	50.2-74.9	8 prism +16 prism from slow to fast, clockwise rotation	
	192-207	75.3-81.2	Slow → Fast, 90° to and fro Rotating	
	208-223	81.6-87.5	Slow → Fast, 180° to and fro Rotating	
	224-239	87.8-93.7	Slow → Fast, 270° to and fro Rotating	
	240-255	94.1-100	Slow → Fast, 360° to and fro Rotating	
7			Prism Macro	
	0-15	0-5.9	Unused Range	
	16-55	6.3-21.6	Fast → Slow, prism 8 Freedom to switch	
	56-95	22.0-37.3	Fast → Slow, prism 16 Freedom to switch	
	96-135	37.6-52.9	Fast → Slow, 8 prism +16 prism can be switched freely at the same time	

Channel	DMX	Percent	Functions	Note
7	136-175	53.3-68.6	Fast → Slow 8 prism selection +16 prism free switching	
	176-215	69.0-84.3	Fast → Slo 16 prism selection +8 prism free switching	
	216-255	84.7-100	Fast → Slow Prism 8 and prism 16 interlock switch	
8	0-255	0-100	Frost	
9	0-255	0-100	Focus	
10	0-255	0-100	Pan	
11	0-255	0-100	Pan Fine	
12	0-255	0-100	TILT	
13	0-255	0-100	TILT Fine	
14			Function	
	0-25	0-9.8	Unused Range	
	26-30	10.2-11.8	Effects Reset	
	31-35	12.2-13.7	PAN/TILT Reset	
	36-40	14.4-15.7	Complete Reset	
	41-180	16.1-70.6	Unused Range	
	181-200	71.0-78.4	Unused Range	
	201-220	78.8-86.3	Unused Range	
	221-255	86.7-100	Unused Range	