Technical Brochure

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Infinity Spot XL

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Spot XL

KEY FEATURES

- Maximum exploration of the new 1500 W light source
- 8° 49° zoom
- Unique variety of effect generated
- Superior dimming



Infinity Spot XL

SPECIFICATIONS

CMY colour mixing system

5 colours + open

Proportional CTO

1 aerial wheel, 6 rotating gobos + open

1 break-up wheel, 6 rotating gobos + open

1 effect wheel, for rotating prisms and gobo effects, 6 + open

Focus

Proportional zoom 8°- 49°

Iris

Dimmer (mechanical and digital)

Mechanical strobe, electronic strobe (zap effect), synchronized, random, pulse effect

Modular design for easy maintenance and servicing

Pan 530°, Tilt 270°, 16 bit

PHYSICAL SIZE

Length: 450 mm (17.7 in)

Width: 505 mm (19.9 in)

Height: 880 mm (30.7 in), head straight up

Weight: 51 Kg (112.4 lbs)

LAMP AND BALLAST

Type: Philips MSR Gold 1500 Fast Fit

Colour temperature: 6000 Kelvin

Colour rendering index: 83

Average lamp life: 750 hours

Socket: PGJX50

Electronic ballast with Power Factor Correction

CONTROL PROTOCOL AND PROGRAMMING

USITT DMX512/1990

Artnet, Artnet to DMX converter

DMX channels: 28/31

Setting and addressing: LCD display or remotely

ELECTRICAL SPECIFICATIONS/CONNECTIONS

AC power: 190-250 V, auto-sensing, 50/60 Hz, 2 m (6.6 ft) integral cable without power plug

Power consumption: 8 A at 230 V

DMX data in/out: 3 pin and 5 pin locking XLR

Ethernet RJ45 port









Infinity Spot XL - DMX Chart

cha 16 bit	nnel 8 bit	function	type of control	effect	dec	imal	perc	entage
1	1	X axis, base movement (pan) coarse	proportional	proportional coarse control of the base motor movement	0	- 255	0%	- 100%
2	2	X axis, base movement (pan) fine	proportional	proportional fine control of the base motor movement	0	- 255	0%	- 100%
3	3	Y axis, yoke movement (tilt) coarse	proportional	proportional coarse control of the yoke motor movement	0	- 255	0%	- 100%
4	4	Y axis, yoke movement (tilt) fine	proportional	proportional fine control of the yoke motor movement	0	- 255	0%	- 100%
			step	standard (fast)	0	- 10	0%	- 4%
		movement speed	step	ultra fast movement (best for programming positions)	11	- 25	4%	- 10%
5	5		proportional	vector mode (from fast to slow)	26	- 127	10%	- 50%
			proportional	tracking mode (from fast to slow)	128	- 247	50% ·	- 97%
			step	tracking mode (slow)	248	- 255	97%	100%
6	6	dimmer	proportional	gradual adjustment of luminous intensity from 0 to 100%	0	- 255	0%	- 100%
			step	shutter closed (zap off)	0	- 9	0%	- 4%
			proportional	strobe effect with variable speed from slow to fast	10	- 66	4%	- 26%
			step	shutter open (zap off)	67	- 68	26%	- 27%
		shutter, strobe and zap effect	proportional	sequenced pulse effect, slow closing, fast opening (with variable speed from slow to fast)	69	- 125	27%	- 49%
7	7		step	shutter open (zap off)	126	- 127	49% ·	- 50%
			proportional	sequenced pulse effect, fast closing, slow opening (with variable speed from fast to slow)	128	- 184	50% ·	- 72%
			step	shutter open (zap off)	185	- 187	73%	- 73%
			proportional	random strobe effect, non-synchronised, variable speed from slow to fast	188	- 244	74%	96%
			step	shutter open (zap off)	245	- 255	96%	- 100%
8	8	iris diaphragm	step	open	0	- 9	0%	- 4%
		(LIN-Linear)	proportional	from maximum to minimum aperture	10	- 255	4%	100%
			step	open	0	- 9	0%	- 4%
		iris diaphragm (with internal PULS effect)	proportional	from maximum to minimum aperture	10	- 124	4%	- 49%
8	8		step	minimum diameter	125	- 129	49%	- 51%
			sten	puising with proportional increase in speed	130	- 189	75%	- 74%
			proportional	pulse and flash effect with proportional increase in speed	193	- 255	76%	- 100%
Note 1:	the iris d	iaphragm operation will vary according to	the selection m	ade for IRIS on the display panel (linear LIN or with internal PULS effect)			<u> </u>	1
9	9	zoom	proportional	proportional control of zoom effect wheel from narrow to wide beam	0	- 255	0%	- 100%
10	10	focus	proportional	proportional control of focus	0	- 255	0%	- 100%
				no gobo	0	- 10	0%	- 4%
				gobo 1	11	- 40	4%	- 16%
		rotation gobo selection	sten	gobo 2	71	- 100	28%	- 39%
11	11	on wheel 1	otop	gobo 4	101	- 130	40%	- 51%
		(standard)		gobo 5	131	- 160	51%	- 63%
				gobo 6	161	- 192	63% ·	- 75%
			proportional	continuous rotation of the gobo wheel from slow to fast	193	- 255	76% ·	- 100%
			step	no gobo	0	- 10	0%	- 4%
11	11	rotation gobo selection on wheel 1 (effect activated from channe 31/28)	proportional	from gobo 1 to gobo 6 through 360° gobo 1 (central value 36) gobo 2 (central value 62) gobo 3 (central value 88) gobo 4 (central value 114) gobo 5 (central value 140) gobo 6 (central value 166)	11	- 192	4%	- 75%
				continuous rotation of the gobo wheel from slow to fast	193	- 255	76%	100%
Note 2:	channel	11 will vary according to the selection ma	de for channel	31 (16 bit) / 28 (8 bit)				

Infinity Spot XL - DMX Chart

channel		function	type of	offect		dealmal			con	tage	
16 bit	8 bit	iunction	control		ueu			per		llaye	
12	12	indexing gobo rotation on wheel 1	step	no effect	0	-	10	0%	-	4%	
		through 360°	proportional	proportional indexing of the gobos through 360°	11	- 2	255	4%	-	100%	
13		fine indexing of the gobos	proportional	fine indexing of the gobo (gobo wheel 1)	0	- 2	255	0%	-	100%	
14		gobo rotation on wheel 1	step	no effect	0	-	10	0%	-	4%	
	12		proportional	continuous rotation of the gobo in a clockwise direction with proportional control over decreasing speed	11	- 1	131	4%	-	51%	
	15		step	gobo stop	132	- 1	134	52%	-	53%	
			proportional	continuous rotation of the gobo in a counter-clockwise direction with proportional control over increasing speed	135	- 2	255	53%	-	100%	
Note 3: when channel 12 is set to a level between 0 and 10, gobo rotation does not effect indexing, the gobo stops instantly											
				no gobo	0	-	10	0%	-	4%	
				gobo 1	11	-	40	4%	-	16%	
		votation webs coloritor		gobo 2	41	-	70	16%	-	27%	
15	14	on wheel 2	step	gobo 3	71	- 1	100	28%	-	39%	
		(standard)		gobo 4	101	- 1	130	40%	-	51%	
				gobo 5	131	- 1	160	51%	-	63%	
				gobo 6	161		192	63%	-	75%	
			proportional	continuous rotation of the gobo wheel from slow to fast	193	- 2	255	76%	-	100%	
			step	no gobo	0	-	10	0%	-	4%	
15	14	rotating gobo selection on wheel 2 (effect activated from channe 31/28)	proportional	from gobo 1 to gobo 6 through 360° gobo 1 (central value 36) gobo 2 (central value 62) gobo 3 (central value 88) gobo 4 (central value 114) gobo 5 (central value 140) gobo 6 (central value 166)	11	- 1	192	4%	-	75%	
				continuous rotation of the gobo wheel from slow to fast	193	- :	255	76%	-	100%	
Note 4	ahannal		l Alba aclastica w		1	<u> </u>		<u> </u>			
Note 4:	channel	15 (16bit) / 14 (8bit) will vary according to	o the selection r	nade for channel 31 (16 bit) / 28 (8 bit)		_			_		
16	15	indexing gobo rotation on wheel 2	step	no effect	0	-	10	0%	-	4%	
	15	through 360°	proportional	proportional indexing of the gobos through 360°	11	- 2	255	4%	-	100%	
17		fine indexing of the gobos	proportional	fine indexing of the gobo (gobo wheel 2)	0	- 2	255	0%	-	100%	
			step	no effect	0	- 10 0%	0%	-	4%		
	10	gobo rotation on wheel 2	proportional	continuous rotation of the gobo in a clockwise direction with proportional control over decreasing speed	11	- 1	131	4%	-	51%	
18	10		step	gobo stop	132	- 1	134	52%	-	53%	
			proportional	continuous rotation of the gobo in a counter-clockwise direction with proportional control over increasing speed	135	- 2	255	53%	-	100%	
Note 5:	Note 5: when channel 16 (16bit) / 15 (8 bit) is set to a level between 0 and 10, gobo rotation does not affect indexing, the gobo stops instantly										
				no gobo	0	-	10	0%	-	4%	
10		rotating gobo selection		gobo 1	11	-	40	4%	-	16%	
			step	gobo 2	41	-	70	16%	-	27%	
	17			gobo 3	71	- 1	100	28%	-	39%	
		(standard)		gobo 4	101	- 1	130	40%	-	51%	
				gobo 5	131	1	160	51%	-	63%	
				gobo 6	161		192	63%	-	75%	
			proportional	continuous rotation of the gobo wheel from slow to fast	193	- 2	255	76%	-	100%	
19			step	no gobo	0	-	10	0%	-	4%	
	17	rotating gobo selection on wheel 3 (effect activated from channel 31/28)	ating gobo selection on wheel 3 tivated from channel 31/28) proportional proportional proportional proportional gobo 4 (central value 36) gobo 2 (central value 36) gobo 3 (central value 62) gobo 3 (central value 88) gobo 4 (central value 144) gobo 5 (central value 140) gobo 6 (central value 166)	from gobo 1 to gobo 6 through 360° gobo 1 (central value 36) gobo 2 (central value 62) gobo 3 (central value 88) gobo 4 (central value 114) gobo 5 (central value 140) gobo 6 (central value 166) continuous rotation of the gobo wheel from slow to fast	11	- 1	192 255	4%	-	75%	
Note 6	channal	19 (16 hit) / 17 (9 hit) will yon coordina	to the coloction	made for channel 31 (16 hit) / 39 (9 hit)	1	1 1	- 1		11		
Note b: channel 19 (16 bit) / 1/ (8 bit) will vary according to the selection made for channel 31 (16 bit) / 28 (8 bit)											
20	18	indexing gobo rotation on wheel 3 through 360°	step proportional	no effect proportional indexing of the gobos through 360°	0	- :	10 255	0% 4%	-	4% 100%	
21		fine indexing of the gobos	proportional	fine indexing of the gobo (gobo wheel 3)	0	- 2	255	0%	-	100%	

Infinity Spot XL - DMX Chart

channel		fun alian	type of	offeet		- !					
16 bit	8 bit	function	control	effect	dec	Sim	nai	perc	entage		
22	10	gobo rotation	step	no effect	0	-	10	0%	- 4%		
			proportional	continuous rotation of the gobo in a clockwise direction with proportional control over decreasing speed	11		131	4%	- 51%		
	19	on wheel 3	step	gobo stop	132		134	52%	- 53%		
			proportional	continuous rotation of the gobo in a counter-clockwise direction with proportional control over increasing speed	135	- 2	255	53%	- 100%		
Note 7: when channel 20 (16bit) / 18 (8 bit) is set to a level between 0 and 10, gobo rotation does not affect indexing, the gobo stops instantly											
				no colour, white beam	0	-	5	0%	- 2%		
	20			colour 1	6	-	14	2%	- 5%		
			step	colour 2	15	-	22	6%	- 9%		
		colours selection from the colour wheel		colour 3	23	-	30	9%	- 12%		
23				colour 4	31	-	38	12%	- 15%		
				colour 5	39	-	45	15%	- 18%		
				from colour 5 to colour 1, proportional positioning	46 - 127	127	18%	- 50%			
			proportional	rainbow effect from fast to slow in an anticlockwise direction	128	- '	190	50%	- 75%		
				rainbow effect from slow to fast in a clockwise direction	191	- 2	255	75%	- 100%		
24	21	cyan	proportional	proportional control of the percentage of cyan color in the light beam from 0 to 100%	0	-	255	0%	- 100%		
25	22	magenta	proportional	proportional control of the percentage of magenta color in the light beam from 0 to 100%	0	-	255	0%	- 100%		
26	23	yellow	proportional	proportional control of the percentage of yellow color in the light beam from 0 to 100%	0	-	255	0%	- 100%		
27	24	сто	proportional	proportional control of the percentage of CTO in the light beam from 6300°K to 3200°K	0	- 2	255	0%	- 100%		
	25	zap effect (effect varies depending upon channel 7 strobe)		no effect	0 - 10	0%	- 4%				
28				zap effect synchronised with the strobe effect, speed and mode selected by strobe channel 7	11	11 - 30	30	4%	- 12%		
			step	zap effect, flicker and speed adjustable, speed and mode selected by strobe channel 7	31	- 2	249	12%	- 98%		
				black-out of the light beam during PAN/TILT movement, colors wheel and effects wheel	250	- 2	255	98%	- 100%		
				no effect	0	-	10	0%	- 4%		
29	26	gobo effect selection	step	proportional movement of the gobo wheels through 360°	11	- '	133	4%	- 52%		
				proportional-stepmovement of the gobo wheels through 360°	134	- 2	255	53%	- 100%		
30	27	lamp power control in conjunction with channel 31/28	proportional	lamp power adjustment from minimum to maximum (800W – 1500W) when channel 31/28 is between 171 – 195 dmx	0	- 2	255	0%	- 100%		
				park, no function	0	-	10	0%	- 4%		
				lamp off	10	-	29	4%	- 11%		
				pan and tilt reset (once only)	30	-	65	12%	- 25%		
31	28	lamp on/off and motors reset	step	all motor reset exept dimmer, pan and tilt (once only)	66	- '	100	26%	- 39%		
31	20			all motor reset exept dimmer (once only)	101	- '	135	40%	- 53%		
				reset of all the motors (once only)	136	ŀĽ	170	53%	- 67%		
				lamp on, enabled power adjustment from 800W to 1500W	171	- '	195	67%	- 76%		
			l	lamp on, maximum power	196	- 2	255	77%	- 100%		
Nota 8: the display panel may be used to disable the switching off of the lamp via DMX											
Nota 9: turning off the lamp and all reset functions are delayed by 6 seconds to prevent accidental activation											
Nota 10	: the la	np on/off function can only be effected	d if an opposite	e level is set							
					-		-	-			

Infinity Spot XL - Photometrics Data







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