channel	function	type of control	effect	decimal			percentage		
1	X axis, base movement (pan)	proportional	control of the pan movement of the beam of light via proportional rotation of the base motor	0	-	255	0%	-	100%
2	X axis, fine base movement (pan)	proportional	fine control of the pan movement of the beam of light via proportional rotation of the base motor	0	-	255	0%	-	100%
3	Y axis, yoke movement (tilt)	proportional	control of the tilt movement of the beam of light via proportional rotation of the yoke motor	0	-	255	0%	-	100%
4	Y axis, fine yoke movement (tilt)	proportional	fine control of the tilt movement of the beam of light via proportional rotation of the yoke motor	0	-	255	0%	-	100%
5	movement speed	step	standard (fast)	0	-	10	0%	-	4%
		step	ultra fast movement (ideal for positioning during programming)	11	-	25	4%	-	10%
		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	dimmer	step	closed	0	-	7	0%	-	3%
		proportional	adjust output intensity from 0 to 100%	8		255	3%	-	100%
7	shutter, strobe	step	shutter closed	0	-	9	0%	-	4%
		proportional	variable speed strobing effect, from slow to fast	10	-	66	4%	-	26%
		step	shutter open	67	-	68	26%	-	27%
		proportional	sequenced pulse effect, slow closing, fast opening (variable speed pulsing, from slow to fast)	69	-	125	27%	-	49%
		step	shutter open	126	-	127	49%	-	50%
		proportional	sequenced pulse effect, fast closing, slow opening (variable speed pulsing, from fast to slow)	128	-	184	50%	-	72%
		step	shutter open	185	-	187	73%	-	73%
		proportional	random strobe effect with variable speed from slow to fast	188	-	244	74%	-	96%
		step	shutter open	245	-	255	96%	-	100%
8	iris diaphragm (LIN-Linear)	step	open	0	-	9	0%	-	4%
		proportional	from maximum opening to minimum opening	10	-	255	4%	-	100%

Note 1: the iris diaphragm has different effects depending upon the settings made when selecting IRIS on the display (linear LIN or with internal effects PULS)

channel	function	type of control	effect	decimal			percentage		
8	iris diaphragm (with internal effects PULS)	step	open	0	-	9	0%	-	4%
		proportional	from maximum open to minimum	10	-	124	4%	-	49%
		step	minimum diameter	125	-	129	49%	-	51%
		proportional	pulse effect with proportional increase in speed	130	-	189	51%	-	74%
		step	open	190	-	192	75%	-	75%
		proportional	pulse and flash effect with proportional increase in speed	193	-	255	76%	-	100%
9	no function	step	spare channel, allows the compatibility with iSpot 575 version	0	-	0	0%	-	0%
10	focus	proportional	proportional control of focus	0	-	255	0%	-	100%
11	selecting rotating gobos wheel 1 (gobo wheel far to the lamp)	step	no gobo	0	-	10	0%	-	4%
		step or proportional selectable via channel 20	gobo 1	11	-	40	4%	-	16%
			gobo 2	41	-	70	16%	-	27%
			gobo 3	71	-	100	28%	-	39%
			gobo 4	101	-	130	40%	-	51%
			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%
12	indexing the rotating gobos (wheel 1) through 360°	step	no effect	0	-	10	0%	-	4%
		proportional	proportional positioning of the gobo through 360°	11	-	255	4%	-	100%

Note 2: when channel 12 is set to between 0 and 10, gobo rotation (channel 13) has no effect on indexing, the gobo stops instantaneously

channel	function	type of control	effect	decimal			percentage		
13	gobo rotation on wheel 1 and fine indexing control	proportional	fine indexing / accurate positioning of the gobo (if channel 12 is above of level 10)	0	-	100	0%	-	39%
		proportional	continuous rotation of the gobo in a counterclockwise direction with a proportional decrease in speed	101	-	176	40%	-	69%
		step	gobo stop	177	-	179	69%	-	70%
		proportional	continuous rotation of the gobo in a clockwise direction with a proportional increase in speed	180	-	255	71%	-	100%

channel	function	type of control	effect	decimal			percentage		
14	selecting static gobos on wheel 2	step	no gobo	0	-	10	0%	-	4%
		step or proportional selectable via channel 20	gobo 1	11	-	40	4%	-	16%
			gobo 2	41	-	70	16%	-	27%
			gobo 3	71	-	100	28%	-	39%
			gobo 4	101	-	130	40%	-	51%
			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%
15	no function	step	spare channel, allows the compatibility with iSpot 575 version	0	-	0	0%	-	0%
16	no function	step	spare channel, allows the compatibility with iSpot 575 version	0	-	0	0%	-	0%
17	selecting and rotating the prism	step	no effect	0	-	10	0%	-	4%
		step	prism inserted into the light beam	11	-	20	4%	-	8%
		proportional	continuous rotation of the prism in a clockwise direction with a proportional speed from maximum to minimum	21	-	136	8%	-	53%
		step	stop the prism rotation	137	-	139	54%	-	55%
		proportional	continuous rotation of the prism in a counterclockwise direction with a proportional speed from minimum to maximum	140	-	255	55%	-	100%
18	colour wheel	step	no colour, white beam	0	-	7	0%	-	3%
		step or proportional selectable via channel 20	colour 1	8	-	27	3%	-	11%
			colour 2	28	-	47	11%	-	18%
			colour 3	48	-	67	19%	-	26%
			colour 4	68	-	87	27%	-	34%
			colour 5	88	-	107	35%	-	42%
			colour 6	108	-	127	42%	-	50%
		proportional	rainbow effect in a clockwise direction from fast to slow	128	-	190	50%	-	75%
		step	no rotation	191	-	192	75%	-	75%
		proportional	rainbow effect in a counterclockwise direction from slow to fast	193	-	255	76%	-	100%
19	no function	step	spare channel, allows the compatibility with iSpot 575 version	0	-	0	0%	-	0%
20	gobo and colour positioning	step	gobos and colours are centred in the optical path	0	-	10	0%	-	4%
			proportional positioning of **gobos** in the optical path	11	-	125	4%	-	49%
			proportional positioning of **colours** in the optical path	126	-	239	49%	-	94%
			proportional positioning of both **gobos** and **colours** in the optical path	240	-	255	94%	-	100%
21	black-out activation synchronised with PAN/TILT movement, colour and gobo selection	step	no effect	0	-	249	0%	-	98%
			black-out of the beam light when PAN/TILT movement occurs or when colours and/or gobos change	250	-	255	98%	-	100%
22	lamp on/off and resetting motors	step	park, no function	0	-	10	0%	-	4%
			lamp off	11	-	29	4%	-	11%
			pan and tilt reset (once only)	30	-	65	12%	-	25%
			reset of all the motors with the exception of the dimmer, pan and tilt (once only)	66	-	100	26%	-	39%
			reset of all the motors with the exception of the dimmer (once only)	101	-	135	40%	-	53%
			reset of all the motors (once only)	136	-	170	53%	-	67%
			park, no function	171	-	209	67%	-	82%
			fans at maximum speed (only when lamp on)	210	-	249	82%	-	98%
			lamp on, silent fans (if internal temperature allows)	250	-	255	98%	-	100%

Note 3: the display panel may be used to disable the switching off of the lamp via DMX

Note 4: turning off the lamp and all the reset functions are delayed by 6 seconds to prevent accidental activation

Note 5: lamp On/Off function and fan status can be modified only if an opposite level is set

Projector: coemar Pro Spot 575 MB		Table name: DMX 512 functions
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