

RELATION PROTEUS HYBRID & PROTEUS HYBRID WMG DMX CHANNEL FUNCTIONS AND VALUES

DMX Channel Values / Functions (26, 24, 37 DMX Channels)				
Supports Software Versions: ≥ 1.8.0				
Features subject to change without any prior written notice.				
<small>*Rotation direction (Clockwise or Counterclockwise) of effects depends on orientation of the fixture head and Pan/Tilt settings.</small>				
MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
1	1	1		PAN Movement 8bit:
			0-255	Pan Movement
	2	2		Pan Fine 16bit
			0-255	Fine control of Pan movement
2	3	3		TILT Movement 8bit :
			0-255	Tilt Movement
	4	4		Tilt Fine 16bit
			0-255	Fine control of Tilt movement
3	5	5		Cyan Color :
			0-255	Cyan (0-white, 255-100% Cyan)
		6		Cyan Color Fine:
			0-255	Cyan Fine
4	6	7		Magenta Color:
			0-255	Magenta (0-white, 255-100% magenta)
		8		Magenta Color Fine:
			0-255	Magenta Fine
5	7	9		Yellow Color:
			0-255	Yellow (0-white, 255-100% Yellow)
		10		Yellow Color Fine:
			0-255	Yellow Fine
6	8	11		CTO Color:
			0-255	CTO (0-white, 255-100% CTO)
		12		CTO Color Fine:
			0-255	CTO Fine
7	9	13		Color Wheel:
			0-15	Open / white
			16-23	Red
			24-31	Blue
			32-39	Green
			40-47	Yellow
			48-55	Purple
			56-63	Cyan
			64-71	Orange
			72-79	Pink
			80-87	Light Green
			88-95	Light Yellow
			96-103	Magenta
			104-111	CTB
			112-119	CTO
			120-127	V67
128-189	Clock-wise scroll from fast to slow			
190-193	No rotation			
194-255	Counter clock-wise scroll from slow to fast			

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BASIC	STAND	EXTEND		
		14		Color Wheel Fine:
			0-255	Color Wheel colour change to any position Fine
				Rotating gobos, cont. rotation:
			0-10	Beam open
			11-21	Spot open
			22-31	Rot. gobo 1
			32-41	Rot. gobo 2
			42-51	Rot. gobo 3
			52-61	Rot. gobo 4
			62-71	Rot. gobo 5
			72-81	Rot. gobo 6
			82-91	Rot. gobo 7
			92-101	Rot. gobo 8
8	10	15	102-112	Rot. gobo 1 shake
			113-123	Rot. gobo 2 shake
			124-134	Rot. gobo 3 shake
			135-145	Rot. gobo 4 shake
			146-156	Rot. gobo 5 shake
			157-167	Rot. gobo 6 shake
			168-178	Rot. gobo 7 shake
			179-189	Rot. gobo 8 shake
			190-221	Clock-wise scroll from fast to slow
			222-223	Reserved
			224-255	Counter clock-wise scroll from slow to fast
				Rotating gobo index, rotating gobo rotation:
			0-127	Gobo indexing
9	11	16	128-189	Clock-wise rotation from fast to slow
			190-193	No rotation
			194-255	Counter clock-wise rotation from slow to fast
				Rotating gobo indexing Fine
		17	0-255	Fine indexing

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MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
10	12	18		Fixed Gobos:
			0-7	Open/hole
			8-14	Gobo 1
			15-21	Gobo 2
			22-28	Gobo 3
			29-35	Gobo 4
			36-42	Gobo 5
			43-49	Gobo 6
			50-56	Gobo 7
			57-63	Gobo 8
			64-70	Gobo 9
			71-77	Gobo 10
			78-84	Gobo 11
			85-91	Gobo 12
			92-98	Gobo 13
			99-105	Gobo 14
			106-111	Gobo 1 shake slow to fast
			112-117	Gobo 2 shake slow to fast
			118-123	Gobo 3 shake slow to fast
			124-129	Gobo 4 shake slow to fast
			130-135	Gobo 5 shake slow to fast
			136-141	Gobo 6 shake slow to fast
			142-147	Gobo 7 shake slow to fast
			148-153	Gobo 8 shake slow to fast
			154-159	Gobo 9 shake slow to fast
			160-165	Gobo 10 shake slow to fast
			166-171	Gobo 11 shake slow to fast
			172-177	Gobo 12 shake slow to fast
			178-183	Gobo 13 shake slow to fast
			184-189	Gobo 14 shake slow to fast
190-221	Clock-wise scroll from fast to slow			
222-223	No rotation			
224-255	Counter clock-wise scroll from slow to fast			
		19		Fixed gobo indexing Fine
			0-255	Fixed gobo Fine indexing

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MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
11	13	20		Rotating prism, Prism / Gobo macros:
			0-31	Open position (hole)
			32-64	8 Prism
			65- 94	Line Prism
			95- 127	8/Line Prism
			128-135	Macro 1
			136-143	Macro 2
			144-151	Macro 3
			152-159	Macro 4
			160-167	Macro 5
			168-175	Macro 6
			176-183	Macro 7
			184-191	Macro 8
			192-199	Macro 9
			200-207	Macro 10
			208-215	Macro 11
			216-223	Macro 12
224-231	Macro 13			
232-239	Macro 14			
240-247	Macro 15			
248-255	Macro 16			
12	14	21		Rotating 8/Line prism:
			0-127	Prism indexing
			128-189	Clock-wise rotation from fast to slow
			190-193	No rotation
		22		Rotating 8/Line prism indexing Fine
			0-255	Fine indexing
13	15	23		Focus:
			0-255	Continuous adjustment from near to far
		24		Focus Fine:
			0-255	Continuous adjustment Fine
14	16	25		Zoom:
			0-255	Zoom adjustment from small to big
		26		Zoom Fine:
			0-255	Zoom adjustment Fine

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MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
15	17	27		Auto Focus:
			0-50	Auto Focus Off
			51-150	15m
			151-255	20m
16	18	28		Auto Focus adjustment:
			0-255	Continuous adjustment
17	19	29		Shutter, strobe:
			0-31	Shutter closed
			32-63	No function (shutter open)
			64-95	Strobe effect slow to fast
			96-127	No function (shutter open)
			128-159	Pulse-effect in sequences
			160-191	No function (shutter open)
			192-223	Random strobe effect slow to fast
			224-255	No function (shutter open)
18	20	30		Dimmer intensity:
			0-255	Intensity 0 to 100%
		31		Fine Dimmer intensity:
			0-255	Dimmer intensity fine
19	21	32		Frost:
			0-127	Disable frost
			128-255	Enable frost
20	22	33		wheel Animation :
			0-7	Close
			8-127	Clock-wise scroll from fast to slow
			128-135	No rotation
			136-255	Counter clock-wise scroll from slow to fast
21	23	34		Speed of CMY Speed:
			0-255	Speed Max \rightarrow Min

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MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
22	24	35		CMY macros:
			0-31	OFF
			32-39	Macro1
			40-47	Macro2
			48-55	Macro3
			56-63	Macro4
			64-71	Macro5
			72-79	Macro6
			80-87	Macro7
			88-95	Macro8
			96-103	Macro9
			104-111	Macro10
			112-119	Macro11
			120-127	Macro12
			128-135	Macro13
			136-143	Macro14
			144-151	Macro15
			152-159	Macro16
			160-167	Macro17
			168-175	Macro18
			176-183	Macro19
			184-191	Macro20
			192-199	Macro21
			200-207	Macro22
			208-215	Macro23
			216-223	Macro24
			224-231	Macro25
232-239	Macro26			
240-247	Macro27			
248-255	Random CMY			
23	25	36		Speed Pan/Tilt movement:
			0-225	max to min speed
			226-235	blackout by movement
			236-245	blackout by all wheel changing
			246-248	Sun protection on
			249-251	Sun protection off
			252-253	Idle position on
254-255	Idle position off			

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MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
24	26	37		Control:
			0-19	color change normal
			20-29	color change to any position
			30-39	color & Fixed gobo change to any position
			40-59	Lamp on
			60-79	Lamp switch off
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	Colors motor reset
			91-93	Gobo motor reset
			94-96	Shutter & Dimmer motor reset
			97-99	Other motor reset
			100-119	Internal program 1
			120-139	Internal program 2
			140-159	Internal program 3
			160-179	Internal program 4
			180-199	Internal program 5
			200-219	Internal program 6
			220-239	Internal program 7
			240-241	Dimming Standard
			242-243	Dimming Linear
			244-245	Dimming Square
			246-247	Dimming Inverse Square
			248-249	Dimming S-Curve
			250	Display Off
			251	Display On
			252	CMY Normal
253	CMY Fast (default)			
254	Hibernation Off			
255	Hibernation On			