

PERSEO BEAM :

DMX channel's functions and their values (42DMX channels):

Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1		PAN Movement 8bit :
			0-255	Pan Movement
2		2		Pan Fine 16bit
			0-255	Fine control of Pan movement
3	2	3		TILT Movement 8bit :
			0-255	Tilt Movement
4		4		Tilt Fine 16bit
			0-255	Fine control of Tilt movement
5	3	5		Speed Pan/Tilt movement:
			0-225	max to min speed
			226-235	blackout by movement
			236-245	blackout by all wheel changing
6	4	6		Pan Motor continuous rotation
			0-63	stop rotation by spinout
			64-127	stop rotation by shortcut
			128-189	Forwards Pan rotation from fast to slow
			190-193	No rotation
194-255	Backwards Pan rotation from slow to fast			
7	5	7		Shutter, strobe:
			0-10	Shutter closed
			11-20	No function (shutter open)
			21-117	Strobe effect slow to fast
			118-126	No function (shutter open)
			127-180	Pulse-effect in sequences
			181-191	No function (shutter open)
192-245	Random strobe effect slow to fast			
246-255	No function (shutter open)			
8	6	8		Dimmer intensity:
			0-255	Intensity 0 to 100%
		9		Fine Dimmer intensity:
			0-255	Dimmer intensity fine
9	7	10		Reserved
10	8	11		Reserved
11	9	12		Reserved
12	10	13		Zoom :
			0-255	Zoom adjustment from small to big
		14		Zoom Fine:
			0-255	Zoom adjustment Fine

13	11	15		Focus :
			0-255	Continuous adjustment from near to far
		16		Focus Fine:
			0-255	Continuous adjustment Fine
14	12	17		Auto Focus :
			0-50	Auto Focus Off
			51-100	5m
			101-150	7.5m
			151-200	10m
			201-255	15m
15	13	18		AutoFocus Fine:
			0-255	Continuous adjustment Fine
16	14	19		Color Wheel :
			0-3	Open / white
			4-7	Color 1
			8-11	Color 2
			12-15	Color 3
			16-19	Color 4
			20-23	Color 5
			24-27	Color 6
			28-31	Color 7
			32-35	Color 8
			36-39	Color 9
			40-43	Color 10
			44-47	Color 11
			48-51	Color 12
			52-55	Color 13
			56-59	Color 14
			60-63	Color 15
			64-67	Color 16
68-71	Color 17			
			72-127	Color indexing
			128-189	Forwards rainbow effect from fast to slow
			190-193	No rotation
			194-255	Backwards rainbow effect from slow to fast
		20		Color Wheel Fine:
			0-255	Color Wheel colour change to any position Fine
17	15	21		Cyan Color :
			0-255	Cyan (0-white, 255-100% Cyan)
		22		Cyan Color Fine :
			0-255	Cyan Fine
18	16	23		Magenta Color :
			0-255	Magenta (0-white, 255-100% magenta)
		24		Magenta Color Fine :
			0-255	Magenta Fine
19	17	25		Yellow Color :
			0-255	Yellow (0-white, 255-100% Yellow)
		26		Yellow Color Fine :
			0-255	Yellow Fine
20	18	27		CTO Color :
			0-255	CTO (0-white, 255-100% CTO)
		28		CTO Color Fine :
			0-255	CTO Fine
				Rotating gobos, cont. rotation :
			0-9	Open
			10-18	Rot. gobo 1
			19-27	Rot. gobo 2
			28-36	Rot. gobo 3
			37-45	Rot. gobo 4
			46-54	Rot. gobo 5
			55-63	Rot. gobo 6

21	19	29	64-72	Rot. gobo 7
			73-81	Rot. gobo 8
			82-90	Rot. gobo 9
			91-101	Gobo 1 shake slow to fast
			102-112	Gobo 2 shake slow to fast
			113-123	Gobo 3 shake slow to fast
			124-134	Gobo 4 shake slow to fast
			135-145	Gobo 5 shake slow to fast
			146-156	Gobo 6 shake slow to fast
			157-167	Gobo 7 shake slow to fast
			168-178	Gobo 8 shake slow to fast
			179-189	Gobo 9 shake slow to fast
			190-221	Gobo wheel rotation forwards from fast to slow
			222-223	No rotation
224-255	Gobo wheel rotation f backwards from slow to fast			
22	20	30		Rotating gobo index,rotating gobo rotation 1:
			0-127	Gobo indexing
			128-189	Forwards gobo rotation from fast to slow
			190-193	No rotation
			194-255	Backwards gobo rotation from slow to fast
		31		Rotating gobo indexing Fine :
			0-255	Fine indexing

			Fixed Gobo:
			0-31 Open
			32 Gobo 1
			33 Gobo 2
			34 Gobo 3
			35 Gobo 4
			36 Gobo 5
			37 Gobo 6
			38 Gobo 7
			39 Gobo 8
			40 Gobo 9
			41 Gobo 10
			42 Gobo 11
			43 Gobo 12
			44 Gobo 13
			45 Gobo 14
			46 Gobo 15
			47 Gobo 16
			48 Gobo 17
			49 Gobo 18
			50 Gobo 19
			51 Open
			52 Gobo 20
			53 Gobo 21
			54 Gobo 22
			55 Gobo 23
			56 Gobo 24
			57 Gobo 25
			58 Gobo 26
			59 Gobo 27
			60 Gobo 28
			61 Gobo 29
			62 Gobo 30
			63 Gobo 31
			64 Gobo 32
			65 Open
			66 Gobo 33
			67 Gobo 34
			68 Gobo 35
			69 Gobo 36
			70 Gobo 37
			71 Gobo 38
23	21	32	72 Gobo 39

			73-75	Gobo 1 shake slow to fast
			76-78	Gobo 2 shake slow to fast
			79-81	Gobo 3 shake slow to fast
			82-84	Gobo 4 shake slow to fast
			85-87	Gobo 5 shake slow to fast
			88-90	Gobo 6 shake slow to fast
			91-93	Gobo 7 shake slow to fast
			94-96	Gobo 8 shake slow to fast
			97-99	Gobo 9 shake slow to fast
			100-102	Gobo 10 shake slow to fast
			103-105	Gobo 11 shake slow to fast
			106-108	Gobo 12 shake slow to fast
			109-111	Gobo 13 shake slow to fast
			112-114	Gobo 14 shake slow to fast
			115-117	Gobo 15 shake slow to fast
			118-120	Gobo 16 shake slow to fast
			121-123	Gobo 17 shake slow to fast
			124-126	Gobo 18 shake slow to fast
			127-129	Gobo 19 shake slow to fast
			130-132	Gobo 20 shake slow to fast
			133-135	Gobo 21 shake slow to fast
			136-138	Gobo 22 shake slow to fast
			139-141	Gobo 23 shake slow to fast
			142-144	Gobo 24 shake slow to fast
			145-147	Gobo 25 shake slow to fast
			148-150	Gobo 26 shake slow to fast
			151-153	Gobo 27 shake slow to fast
			154-156	Gobo 28 shake slow to fast
			157-159	Gobo 29 shake slow to fast
			160-162	Gobo 30 shake slow to fast
			163-165	Gobo 31 shake slow to fast
			166-168	Gobo 32 shake slow to fast
			169-171	Gobo 33 shake slow to fast
			172-174	Gobo 34 shake slow to fast
			175-177	Gobo 35 shake slow to fast
			178-180	Gobo 36 shake slow to fast
			181-183	Gobo 37 shake slow to fast
			184-186	Gobo 38 shake slow to fast
			187-189	Gobo 39 shake slow to fast
			190-221	Clock-wise scroll from fast to slow
			222-223	Reserved
			224-255	Counter clock-wise scroll from slow to fast
				<u>Animation wheel:</u>
24	22	33	0-7	open
			8-127	Forwards rotation from fast to slow
			128-135	No rotation
			136-255	Backwards rotation from slow to fast

25	23	34		Prism 1 - 2:
			0-63	Open
			64-127	Prism 1
			128-255	Prism 2
26	24	35		Rotating prism index, rotating prism rotation 1 - 2
			0-127	Prism indexing
			128-189	Forwards prism rotation from fast to slow
			190-193	No rotation
			194-255	Backwards prism rotation from slow to fast
		36		Rotating prism indexing Fine 1 - 2:
			0-255	Fine indexing
27	25	37		Prism 3 - 4:
			0-63	Open
			64-127	Prism 3
			128-255	Prism 4
28	26	38		Rotating prism index, rotating prism rotation 3 - 4
			0-127	Prism indexing
			128-189	Forwards prism rotation from fast to slow
			190-193	No rotation
			194-255	Backwards prism rotation from slow to fast
		39		Rotating prism indexing Fine 3 - 4:
			0-255	Fine indexing
29	27	40		Frost 1:
			0-255	0-100%
30	28	41		Frost 2:
			0-255	0-100%
31	29	42		Control, reset, internal programs:
			0-4	unused
			5-9	Display Off
			10-14	Display On
			15-19	Display Invert Off
			20-24	Display Invert On
			25-26	Auto fan control mode
			27-28	Stage fan control mode
			29-30	Silence fan control mode
			31-32	Super Silence fan control mode
			33-34	Constant Fans Off
			35-36	Constant Fans On
			37-44	unused
			45-49	Square Law
			50-54	Linear
			55-57	1.2K
			58-60	2.4K
			61-63	16K
			64-69	25K
			70-74	Gobo correction Off
			75-79	Gobo correction On
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	Colors motor reset
			91-93	Gobo motor reset
			94	unused
			95	Reset P/T Fade Off
			96	Reset P/T Fade On
			97-99	Other motor reset
100-102	Frost Progressive Off			
103-105	Frost Progressive On			
106-108	CMY speed Slow			
109-111	CMY speed Fast			
112-255	unused			