

PERSEO PROFILE (from Software V201)

DMX channel's functions and their values (61DMX 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	246-255	no function
				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			
7	5	7	246-255	No function (shutter open)
				Dimmer intensity:
			0-255	Intensity 0 to 100%
		8		Fine Dimmer intensity:
			0-255	Dimmer intensity fine
8	6	9		Reserved
9	7	10		Reserved
10	8	11		Reserved
11	9	12		Zoom :
			0-255	Zoom adjustment from small to big
		13		Zoom Fine:
			0-255	Zoom adjustment Fine
12	10	14		Focus :
			0-255	Continuous adjustment from near to far
		15		Focus Fine:
			0-255	Continuous adjustment Fine

13	11	16		Auto Focus :
			0-50	Auto Focus Off
			51-100	5m
			101-150	7.5m
			151-200	10m
			201-255	15m
14	12	17		AutoFocus Fine:
			0-255	Continuous adjustment Fine
15	13	18		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
			32-127	Color indexing
			128-189	Forwards rainbow effect from fast to slow
			190-193	No rotation
			194-255	Backwards rainbow effect from slow to fast
		19		Color Wheel Fine:
			0-255	Color Wheel colour change to any position Fine
16	14	20		Cyan Color :
			0-255	Cyan (0-white, 255-100% Cyan)
		21		Cyan Color Fine :
			0-255	Cyan Fine
17	15	22		Magenta Color :
			0-255	Magenta (0-white, 255-100% magenta)
		23		Magenta Color Fine :
			0-255	Magenta Fine
18	16	24		Yellow Color :
			0-255	Yellow (0-white, 255-100% Yellow)
		25		Yellow Color Fine :
			0-255	Yellow Fine
19	17	26		CTO Color :
			0-255	CTO (0-white, 255-100% CTO)
		27		CTO Color Fine :
			0-255	CTO Fine
20	18	28		Rotating gobos, cont. rotation 1:
			0-9	Open
			10-19	Rot. gobo 1
			20-29	Rot. gobo 2
			30-39	Rot. gobo 3
			40-49	Rot. gobo 4
			50-59	Rot. gobo 5
			60-69	Rot. gobo 6
			70-77	Rot. Gobo 7
			78-93	Gobo 1 shake slow to fast
			94-109	Gobo 2 shake slow to fast
			110-125	Gobo 3 shake slow to fast
			126-141	Gobo 4 shake slow to fast
			142-157	Gobo 5 shake slow to fast
			158-173	Gobo 6 shake slow to fast
			174-189	Gobo 7 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

21	19	29		<u>Rotating gobo index,rotating gobo rotation 1:</u>
			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
		30		<u>Rotating gobo indexing Fine 1:</u>
			0-255	Fine indexing
22	20	31		<u>Fixed Gobo2 :</u>
			0-13	open
			14-18	Gobo 1
			19-23	Gobo 2
			24-28	Gobo 3
			29-33	Gobo 4
			34-38	Gobo 5
			39-43	Gobo 6
			44-48	Gobo 7
			49-53	Gobo 8
			54-58	Gobo 9
			59-63	Gobo 10
			64-68	Gobo 11
			69-79	Gobo 1 shake slow to fast
			80-90	Gobo 2 shake slow to fast
			91-101	Gobo 3 shake slow to fast
			102-112	Gobo 4 shake slow to fast
			113-123	Gobo 5 shake slow to fast
			124-134	Gobo 6 shake slow to fast
			135-145	Gobo 7 shake slow to fast
146-156	Gobo 8 shake slow to fast			
157-167	Gobo 9 shake slow to fast			
168-178	Gobo 10 shake slow to fast			
179-189	Gobo 11 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			
23	21	32		<u>Animation wheel:</u>
			0-7	open
			8-127	Forwards rotation from fast to slow
			128-135	No rotation
			136-255	Backwards rotation from slow to fast
24	22	33		<u>Iris:</u>
			0-191	Max. diameter to Min.diameter
			192-223	Pulse closing fast to slow
			224-255	Pulse opening slow to fast
		34		<u>Iris Fine:</u>
			0-255	Iris Fine
25	23	35		<u>Prism 1:</u>
			0-127	Open
			128-255	5-Facet Prism
26	24	36		<u>Rotating prism index, rotating prism rotation 1</u>
			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
		37		<u>Rotating prism indexing Fine 1:</u>
			0-255	Fine indexing
27	25	38		<u>Prism 2:</u>
			0-127	Open
			128-255	Linear Prism

28	26	39		<u>Rotating prism index, rotating prism rotation 2</u>
			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
		40		<u>Rotating prism indexing Fine 2:</u>
			0-255	Fine indexing
29	27	41		<u>Frost 1:</u>
			0-255	0-100%
30	28	42		<u>Frost 2:</u>
			0-255	0-100%
31	29	43		<u>Blade 1A :</u>
			0-255	Open to Close
		44		<u>Blade 1A Fine :</u>
			0-255	Open to Close Fine
32	30	45		<u>Blade 1B :</u>
			0-255	Open to Close
		46		<u>Blade 1B Fine :</u>
			0-255	Open to Close Fine
33	31	47		<u>Blade 2A :</u>
			0-255	Open to Close
		48		<u>Blade 2A Fine :</u>
			0-255	Open to Close Fine
34	32	49		<u>Blade 2B :</u>
			0-255	Open to Close
		50		<u>Blade 2B Fine :</u>
			0-255	Open to Close Fine
35	33	51		<u>Blade 3A :</u>
			0-255	Open to Close
		52		<u>Blade 3A Fine :</u>
			0-255	Open to Close Fine
36	34	53		<u>Blade 3B :</u>
			0-255	Open to Close
		54		<u>Blade 3B Fine :</u>
			0-255	Open to Close Fine
37	35	55		<u>Blade 4A :</u>
			0-255	Open to Close
		56		<u>Blade 4A Fine :</u>
			0-255	Open to Close Fine
38	36	57		<u>Blade 4B :</u>
			0-255	Open to Close
		58		<u>Blade 4B Fine :</u>
			0-255	Open to Close Fine
39	37	59		<u>All Blade Rotation :</u>
			0-255	All Blade Rotation
		60		<u>All Blade Rotation Fine :</u>
			0-255	All Blade Rotation Fine

40	38	61		<u>Control, reset, internal programs:</u>
			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
			55-58	1.2K
			59-62	2.4K
			63-66	16K
			67-69	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	Head Heater Off
			96	Head Heater On
			97-99	Other motor reset
			100-119	Internal program 1 (scene1~8 of EEPROM)
			120-139	Internal program 2 (scene9~16 of EEPROM)
140-159	Internal program 3 (scene17~24 of EEPROM)			
160-179	Internal program 4 (scene25~32 of EEPROM)			
180-199	Internal program 5 (scene33~40 of EEPROM)			
200-219	Internal program 6 (scene41~48 of EEPROM)			
220-239	Internal program 7 (scene49~56 of EEPROM)			
240-255	Internal program 8 (scene57~64 of EEPROM)			

Ghibli Mode		
1		PAN Movement 8bit :
	0-255	Pan Movement
2		Pan Fine 16bit
	0-255	Fine control of Pan movement
3		TILT Movement 8bit :
	0-255	Tilt Movement
4		Tilt Fine 16bit
	0-255	Fine control of Tilt movement
5		Speed Pan/Tilt movement:
	0-225	max to min speed
	226-235	blackout by movement
	236-245	blackout by all wheel changing
	246-255	no function
6		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)	
7		Dimmer intensity:
	0-255	Intensity 0 to 100%
8		Fine Dimmer intensity:
	0-255	Dimmer intensity fine
9		Reserved
10		Reserved
11		Reserved
12		Zoom :
	0-255	Zoom adjustment from small to big
13		Zoom Fine:
	0-255	Zoom adjustment Fine
14		Focus :
	0-255	Continuous adjustment from near to far
15		Focus Fine:
	0-255	Continuous adjustment Fine
16		Auto Focus :
	0-50	Auto Focus Off
	51-100	5m
	101-150	7.5m
	151-200	10m
201-255	15m	
17		AutoFocus Fine:
	0-255	Continuous adjustment Fine
18		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
	28-127	Color indexing
	128-189	Forwards rainbow effect from fast to slow
	190-193	No rotation
	194-255	Backwards rainbow effect from slow to fast
19		Color Wheel Fine:
	0-255	Color Wheel colour change to any position Fine

20		Cyan Color :
	0-255	Cyan (0-white, 255-100% Cyan)
21		Cyan Color Fine :
	0-255	Cyan Fine
22		Magenta Color :
	0-255	Magenta (0-white, 255-100% magenta)
23		Magenta Color Fine :
	0-255	Magenta Fine
24		Yellow Color :
	0-255	Yellow (0-white, 255-100% Yellow)
25		Yellow Color Fine :
	0-255	Yellow Fine
26		CTO Color :
	0-255	CTO (0-white, 255-100% CTO)
27		CTO Color Fine :
	0-255	CTO Fine
28		Rotating gobos, cont. rotation 1:
	0-9	Open
	10-19	Rot. gobo 1
	20-29	Rot. gobo 2
	30-39	Rot. gobo 3
	40-49	Rot. gobo 4
	50-59	Rot. gobo 5
	60-69	Rot. gobo 6
	70-77	Rot. Gobo 7
	78-93	Gobo 1 shake slow to fast
	94-109	Gobo 2 shake slow to fast
	110-125	Gobo 3 shake slow to fast
	126-141	Gobo 4 shake slow to fast
	142-157	Gobo 5 shake slow to fast
	158-173	Gobo 6 shake slow to fast
	174-189	Gobo 7 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	
29		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
30		Rotating gobo indexing Fine 1:
	0-255	Fine indexing
31		Fixed Gobo2 :
	0-21	open
	22-31	Gobo 1
	32-41	Gobo 2
	42-51	Gobo 3
	52-61	Gobo 4
	62-71	Gobo 5
	72-81	Gobo 6
	82-91	Gobo 7
	92-101	Gobo 8
	102-112	Gobo 1 shake slow to fast
	113-123	Gobo 2 shake slow to fast
	124-134	Gobo 3 shake slow to fast
	135-145	Gobo 4 shake slow to fast
	146-156	Gobo 5 shake slow to fast
	157-167	Gobo 6 shake slow to fast
	168-178	Gobo 7 shake slow to fast
179-189	Gobo 8 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>
32	0-7	open
	8-127	Forwards rotation from fast to slow
	128-135	No rotation
	136-255	Backwards rotation from slow to fast
		<u>Iris:</u>
33	0-191	Max. diameter to Min.diameter
	192-223	Pulse closing fast to slow
	224-255	Pulse opening slow to fast
		<u>Iris Fine:</u>
34	0-255	Iris Fine
		<u>Prism 1:</u>
35	0-127	Open
	128-255	5-Facet Prism
		<u>Rotating prism index, rotating prism rotation 1</u>
36	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
		<u>Rotating prism indexing Fine 1:</u>
37	0-255	Fine indexing
		<u>Frost 1:</u>
38	0-255	0-100%
		<u>Frost 2:</u>
39	0-255	0-100%
		<u>Blade 1A :</u>
40	0-255	Open to Close
		<u>Blade 1A Fine :</u>
41	0-255	Open to Close Fine
		<u>Blade 1B :</u>
42	0-255	Open to Close
		<u>Blade 1B Fine :</u>
43	0-255	Open to Close Fine
		<u>Blade 2A :</u>
44	0-255	Open to Close
		<u>Blade 2A Fine :</u>
45	0-255	Open to Close Fine
		<u>Blade 2B :</u>
46	0-255	Open to Close
		<u>Blade 2B Fine :</u>
47	0-255	Open to Close Fine
		<u>Blade 3A :</u>
48	0-255	Open to Close
		<u>Blade 3A Fine :</u>
49	0-255	Open to Close Fine
		<u>Blade 3B :</u>
50	0-255	Open to Close
		<u>Blade 3B Fine :</u>
51	0-255	Open to Close Fine
		<u>Blade 4A :</u>
52	0-255	Open to Close
		<u>Blade 4A Fine :</u>
53	0-255	Open to Close Fine
		<u>Blade 4B :</u>
54	0-255	Open to Close
		<u>Blade 4B Fine :</u>
55	0-255	Open to Close Fine
		<u>All Blade Rotation :</u>
56	0-255	All Blade Rotation
		<u>All Blade Rotation Fine :</u>
57	0-255	All Blade Rotation Fine

58		<u>Control, reset, internal programs:</u>
	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
	55-58	1.2K
	59-62	2.4K
	63-66	16K
	67-69	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	Head Heater Off
	96	Head Heater On
	97-99	Other motor reset
	100-119	Internal program 1 (scene1~8 of EEPROM)
	120-139	Internal program 2 (scene9~16 of EEPROM)
140-159	Internal program 3 (scene17~24 of EEPROM)	
160-179	Internal program 4 (scene25~32 of EEPROM)	
180-199	Internal program 5 (scene33~40 of EEPROM)	
200-219	Internal program 6 (scene41~48 of EEPROM)	
220-239	Internal program 7 (scene49~56 of EEPROM)	
240-255	Internal program 8 (scene57~64 of EEPROM)	