

RIVALE PROFILE (Form Software V107)

DMX channel's functions and their values (65 DMX channels):

Mode/Channel	Mode/Channel	Value	Function
Standard	Extended		
1	1		PAN Movement 8bit :
		0-255	Pan Movement
2	2		Pan Fine 16bit
		0-255	Fine control of Pan movement
3	3		TILT Movement 8bit :
		0-255	Tilt Movement
4	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
5	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
6	7		Tilt Motor continuous rotation
		0-63	stop rotation by spinout
		64-127	stop rotation by shortcut
		128-189	Forwards Tilt rotation from fast to slow
		190-193	No rotation
		194-255	Backwards Tilt rotation from slow to fast
7	8		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	9		Dimmer intensity:
		0-255	Intensity 0 to 100%
9	10		Fine Dimmer intensity:
		0-255	Dimmer intensity fine

10	11		<u>Zoom :</u>
		0-255	Zoom adjustment from small to big
11	12		<u>Zoom Fine:</u>
		0-255	Zoom adjustment Fine
12	13		<u>Focus :</u>
		0-255	Continuous adjustment from near to far
13	14		<u>Focus Fine:</u>
		0-255	Continuous adjustment Fine
-	15		<u>Auto Focus :</u>
		0-50	Auto Focus Off
		51-100	5m
		101-150	7.5m
		151-200	10m
		201-255	15m
-	16		<u>AutoFocus Fine:</u>
		0-255	Continuous adjustment Fine
14	17		<u>Color Wheel:</u>
		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
15	18		<u>Color Wheel Fine:</u>
		0-255	Color Wheel colour change to any position Fine
16	19		<u>Cyan Color :</u>
		0-255	Cyan (0-white, 255-100% Cyan)
-	20		<u>Cyan Color Fine :</u>
		0-255	Cyan Fine
17	21		<u>Magenta Color :</u>
		0-255	Magenta (0-white, 255-100% magenta)
-	22		<u>Magenta Color Fine :</u>
		0-255	Magenta Fine
18	23		<u>Yellow Color :</u>
		0-255	Yellow (0-white, 255-100% Yellow)
-	24		<u>Yellow Color Fine :</u>
		0-255	Yellow Fine
19	25		<u>CTO Color :</u>
		0-255	CTO (0-white, 255-100% CTO)
-	26		<u>CTO Color Fine :</u>
		0-255	CTO Fine

20	27		<u>CTP Color :</u>
		0-255	CTP (0-white, 255-100% CTP)
-	28		<u>CTP Color Fine :</u>
		0-255	CTP Fine
-	29		Reserved
-	30		Reserved
-	31		Reserved
21	32		<u>Rotating gobos, cont. rotation 1:</u>
		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
22	33		<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
23	34		<u>Rotating gobo indexing Fine 1:</u>
		0-255	Fine indexing

24	35		<u>Fixed Gobo2 :</u>
		0-9	open
		10-19	Gobo 1
		20-29	Gobo 2
		30-39	Gobo 3
		40-49	Gobo 4
		50-59	Gobo 5
		60-69	Gobo 6
		70-79	Gobo 7
		80-89	Gobo 8
		90-99	Gobo 9
		100-109	Gobo 1 shake slow to fast
		110-119	Gobo 2 shake slow to fast
		120-129	Gobo 3 shake slow to fast
		130-139	Gobo 4 shake slow to fast
		140-149	Gobo 5 shake slow to fast
		150-159	Gobo 6 shake slow to fast
		160-169	Gobo 7 shake slow to fast
		170-179	Gobo 8 shake slow to fast
		180-189	Gobo 9 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
25	36		<u>Animation wheel:</u>
		0-7	No rotation
		8-127	Forwards rotation from fast to slow
		128-135	No rotation
		136-255	Backwards rotation from slow to fast
26	37		<u>Iris:</u>
		0-191	Max. diameter to Min.diameter
		192-223	Pulse closing fast to slow
		224-255	Pulse opening slow to fast
-	38		<u>Iris Fine:</u>
		0-255	Iris Fine
27	39		<u>Prism 1:</u>
		0-127	Open
		128-255	Prism 1
28	40		<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
-	41		<u>Rotating prism indexing Fine 1:</u>
		0-255	Fine indexing
29	42		<u>Prism 2:</u>
		0-127	Open
		128-255	Prism 2

30	43		<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
-	44		<u>Rotating prism indexing Fine 2:</u>
		0-255	Fine indexing
31	45		<u>Frost 1:</u>
		0-255	0-100%
32	46		<u>Frost 2:</u>
		0-255	0-100%
33	47		<u>Blade 1A :</u>
		0-255	Open to Close
-	48		<u>Blade 1A Fine :</u>
		0-255	Open to Close Fine
34	49		<u>Blade 1B :</u>
		0-255	Open to Close
-	50		<u>Blade 1B Fine :</u>
		0-255	Open to Close Fine
35	51		<u>Blade 2A :</u>
		0-255	Open to Close
-	52		<u>Blade 2A Fine :</u>
		0-255	Open to Close Fine
36	53		<u>Blade 2B :</u>
		0-255	Open to Close
-	54		<u>Blade 2B Fine :</u>
		0-255	Open to Close Fine
37	55		<u>Blade 3A :</u>
		0-255	Open to Close
-	56		<u>Blade 3A Fine :</u>
		0-255	Open to Close Fine
38	57		<u>Blade 3B :</u>
		0-255	Open to Close
-	58		<u>Blade 3B Fine :</u>
		0-255	Open to Close Fine
39	59		<u>Blade 4A :</u>
		0-255	Open to Close
-	60		<u>Blade 4A Fine :</u>
		0-255	Open to Close Fine
40	61		<u>Blade 4B :</u>
		0-255	Open to Close
-	62		<u>Blade 4B Fine :</u>
		0-255	Open to Close Fine
41	63		<u>All Blade Rotation :</u>
		0-255	All Blade Rotation
-	64		<u>All Blade Rotation Fine :</u>
		0-255	All Blade Rotation Fine

42	65		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
		55-58	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	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 Fast
		109-111	CMY speed Medium
		112-114	CMY speed Slow
		115-117	unused
		118-120	unused
		121-123	Sun Protection Off
		124-126	Sun Protection On
		127-129	Pan Reverse Off
		130-132	Pan Reverse On
		133-135	Tilt Reverse Off
		136-138	Tilt Reverse On
		139-141	Pan Degree 540°
		142-144	Pan Degree 630°
		145-147	Tilt Degree 540°
		148-150	Tilt Degree 270°
		151-153	Feedback Off
		154-156	Feedback On

	157-159	Init PAN Off
	160-162	Init PAN On
	163-165	Init TILT Off
	166-168	Init TILT On
	169-171	Prerig INIT Off
	172-174	Prerig INIT On
	175-177	Reset Mode (Fast)
	178-180	Reset Mode (All Rot Gobos)
	181-183	Pan/Tilt Spd Fast
	184-186	Pan/Tilt Spd Medium
	187-189	Pan/Tilt Spd Slow
	190-192	unused
	193-195	Zoom/Focus Spd Fast
	196-198	Zoom/Focus Spd Medium
	199-201	Zoom/Focus Spd Slow
	202-204	Reset LED Fade Off
	205-207	Reset LED Fade On
	208-210	Defog Off
	211-213	Defog Auto
	214-216	Defog On
	217-255	unused