

# DMX CHANNEL FUNCTIONS AND VALUES

ELATION ARTISTE VAN GOGH™					
DMX Channel Values / Functions (36 Total DMX Channels)					
Supports Software Versions: ≥ 1.3.0					
Features subject to change without notice. *Rotation direction (Clockwise/Counterclockwise) and control of effects depends on head orientation and Pan/Tilt settings.					
Standard	Extended	Value	Function	Default	Snap
1	1		<b>PAN</b>	127	
		0-255	Movement		
2	2		<b>PAN FINE</b>	127	
		0-255	Fine Movement		
3	3		<b>TILT</b>	127	
		0-255	Movement		
4	4		<b>TILT FINE</b>	127	
		0-255	Fine Movement		
5	5		<b>CYAN</b>		
		0-255	0-100%		
	6		<b>CYAN FINE</b>		
		0-255	Fine Adjustment		
6	7		<b>MAGENTA</b>		
		0-255	0-100%		
	8		<b>MAGENTA FINE</b>		
		0-255	Fine Adjustment		
7	9		<b>YELLOW</b>		
		0-255	0-100%		
	10		<b>YELLOW FINE</b>		
		0-255	Fine Adjustment		
8	11		<b>CTO</b>		
		0-255	0-100%		
	12		<b>CTO FINE</b>		
		0-255	Fine Adjustment		
9	13		<b>COLOR WHEEL</b>		
		0-15	Open / white		
		16-31	Red		
		32-47	Green		
		48-63	Orange		
		64-79	CTB		
		80-95	UV		
		96-111	Pink		
		112-127	Dark Blue		
		128-189	Clockwise effect from fast to slow		
		190-193	No rotation		
194-255	Counter-clockwise effect from slow to fast				
10	14		<b>FOCUS</b>	127	
		0-255	Continuous adjustment from NEAR to FAR		
11	15		<b>ZOOM</b>	127	
		0-255	Zoom adjustment from SMALL to BIG		

Standard	Extended	Value	Function	Default	Snap		
12	16		<b>STROBE</b>		x		
		0-31	Shutter Closed				
		32-63	NO Function (Shutter Open)				
		64-95	Strobe 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)				
13	17		<b>DIMMER</b>				
		0-255	0 → 100%				
14	18		<b>DIMMER FINE</b>				
		0-255	Fine Dimming				
15	19		<b>DIM MODES</b>		x		
		0-20	Standard				
		21-40	Stage				
		41-60	TV				
		61-80	Architectural				
		81-100	Theatre				
		101-120	Stage 2				
							<b>DIMMER DELAY TIME</b>
		121	0s				
		122	0.1s				
		123	0.2s				
		124	0.3s				
		125	0.4s				
		126	0.5s				
		127	0.6s				
		128	0.7s				
		129	0.8s				
		130	0.9s				
		131	1.0s				
		132	1.5s				
		133	2.0s				
		134	3.0s				
		135	4.0s				
		136	5.0s				
		137	6.0s				
		138	7.0s				
139	8.0s						
140	9.0s						
141	10s						
		142-255	Idle				

Standard	Extended	Value	Function	Default	Snap
16	20		<b>FROST</b>	0	
		0 -255	Open to FULL Frost		
	21		<b>SPEED of CMY &amp; Color Macro</b>		
		0-255	Speed MAX to MIN		
	22		<b>COLOR MACROS - CMY &amp; Color Wheel</b>		x
		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				

Standard	Extended	Value	Function	Default	Snap
17	23		<b>BLADE 1</b>		
		0 -255	Open to Close		
	24		<b>BLADE 1 FINE</b>		
		0 -255	Open to Close FINE		
18	25		<b>BLADE 2</b>		
		0 -255	Open to Close		
	26		<b>BLADE 2 FINE</b>		
		0 -255	Open to Close FINE		
19	27		<b>BLADE 3</b>		
		0 -255	Open to Close		
	28		<b>BLADE 3 FINE</b>		
		0 -255	Open to Close FINE		
20	29		<b>BLADE 4</b>		
		0 -255	Open to Close		
	30		<b>BLADE 4 FINE</b>		
		0 -255	Open to Close FINE		
21	31		<b>FRAMING ROTATION</b>	127	
		0-126	Min (-45 degrees)		
		127-128	Parallel (0 degrees)		
		129-255	Max (+45 degrees)		
	32		<b>FRAMING ROTATION FINE</b>	0	
		0 -255	Framing Rotation FINE		
	33		<b>BLADE SPEED</b>		
		1 -255	Speed MAX to MIN		

Standard	Extended	Value	Function	Default	Snap
			<b>BLADE MACROS</b>		
		0-7	OFF		
		8-15	Macro1		
		16-23	Macro2		
		24-31	Macro3		
		32-39	Macro4		
		40-47	Macro5		
		48-55	Macro6		
		56-63	Macro7		
		64-71	Macro8		
		72-79	Macro9		
		80-87	Macro10		
		88-95	Macro11		
		96-103	Macro12		
		104-111	Macro13		
		112-119	Macro14		
	34	120-127	Macro15		x
		128-135	Macro16		
		136-143	Macro17		
		144-151	Macro18		
		152-159	Macro19		
		160-167	Macro20		
		168-175	Macro21		
		176-183	Macro22		
		184-191	Macro23		
		192-199	Macro24		
		200-207	Macro25		
		208-215	Macro26		
		216-223	Macro27		
		224-231	Macro28		
		232-239	Macro29		
		240-247	Macro30		
		248-255	Macro31		
			<b>PAN / TILT SPEED</b>		
		0-225	Max to min speed		
	35	226-235	Blackout by movement		
		236-245	Blackout by all wheel changing		
		246-255	No function		

Standard	Extended	Value	Function	Default	Snap
22	36		<b>CONTROL</b>		
		0-19	Color change normal		
		20-29	Color change to any position		
		30-39	Color & gobo change to any position		
		40-59	Fan Mode Low		
		60-69	Fan Mode High		
		70-79	Fan Mode Auto		
		80-84	All motor reset		
		85-87	Pan / Tilt motors reset		
		88-90	Color motors reset		
		91-93	No function		
		94-96	Focus and Zoom Motor reset		
		97-99	Other motor reset		
		100-168	<b>Refresh Rate (Hz)</b>		
		100	900		
		101	910		
		102	920		
		103	930		
		104	940		
		105	950		
		106	960		
		107	970		
		108	980		
		109	990		
		110	1000		
		111	1010		
		112	1020		
		113	1030		
		114	1040		
		115	1050		
116	1060				
117	1070				
118	1080				
119	1090				
120	1100				
121	1110				
122	1120				
123	1130				
124	1140				
125	1150				
126	1160				
127	1170				
128	1180				
129	1190				
					x

Standard	Extended	Value	Function	Default	Snap
22	36	130	1200		x
		131	1210		
		132	1220		
		133	1230		
		134	1240		
		135	1250		
		136	1260		
		137	1270		
		138	1280		
		139	1290		
		140	1300		
		141	1310		
		142	1320		
		143	1330		
		144	1340		
		145	1350		
		146	1360		
		147	1370		
		148	1380		
		149	1390		
		150	1400		
		151	1410		
		152	1420		
		153	1430		
		154	1440		
		155	1450		
		156	1460		
		157	1470		
		158	1480		
		159	1490		
		160	1500		
		161	2500		
		162	4000		
		163	5000		
164	6000				
165	10000				
166	15000				
167	20000				
168	25000				
169-180	Idle				
169-180	Idle				

Standard	Extended	Value	Function	Default	Snap
22	36	181-190	PanTilt Smooth (default)		x
		191-200	PanTilt Fast		
		201-210	Dimmer Curve Linear (default)		
		211-220	Dimmer Curve Square		
		221-230	Dimmer Curve Inverse Square		
		231-240	Dimmer Curve S-Curve		
		241	Internal program 1 (scene1~8 of EEPROM)		
		242	Internal program 2 (scene9~16 of EEPROM)		
		243	Internal program 3 (scene17~24 of EEPROM)		
		244	Internal program 4 (scene25~32 of EEPROM)		
		245	Internal program 5 (scene33~40 of EEPROM)		
		246	Internal program 6 (scene41~48 of EEPROM)		
		247	Internal program 7 (scene49~56 of EEPROM)		
		248-255	Idle		