

ELATION® ACL 360 BAR™

DMX Channel Values / Functions Version 1 (43 DMX Channels)

Supports Software Versions: 1U01: ≥ 1.20 | 2U01: ≥ 1.20 | 3U01: ≥ 1.20

Specifications are subject to change without any prior written notice.

*Pixel control position depends on the specific Pan/Tilt position of the head.

MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
1	1	1		PAN MOVEMENT [8 BIT]
			0-255	PAN Movement 630/540
	2	2		PAN FINE MOVEMENT [16 BIT]
			0-255	Fine Control of PAN Movement
2	3	3		TILT MOVEMENT [8 BIT]
			0-255	TILT Movement
	4	4		TILT MOVEMENT [16 BIT]
			0-255	Fine Control of TILT Movement
3	5	5		PAN CONTINUOUS MOVEMENT
			0-127	NO FUNCTION
			128-189	PAN Clockwise from FAST to SLOW
			190-193	NO Rotation
			194-255	PAN Counter-Clockwise from SLOW to FAST
4	6	6		TILT CONTINUOUS MOVEMENT
			0-127	NO FUNCTION
			128-189	TILT Clockwise from FAST to SLOW
			190-193	NO Rotation
			194-255	TILT Counter-Clockwise from SLOW to FAST
5	7			RED (ALL LEDs)
			0-255	0 to 100%
6	8			GREEN (ALL LEDs)
			0-255	0 to 100%
7	9			BLUE (ALL LEDs)
			0-255	0 to 100%
8	10			WHITE (ALL LEDs)
			0-255	BLUE FINE Adjustment
		7		*RED - LED 1
			0-255	0 to 100%
		8		*GREEN - LED 1
			0-255	0 to 100%
		9		*BLUE - LED 1
			0-255	0 to 100%
		10		*WHITE - LED 1
			0-255	0 to 100%
		11		*RED - LED 2
			0-255	0 to 100%
		12		*GREEN - LED 2
			0-255	0 to 100%
		13		*BLUE - LED 2
			0-255	0 to 100%
		14		*WHITE - LED 2
			0-255	0 to 100%
		15		*RED - LED 3
			0-255	0 to 100%
		16		*GREEN - LED 3
			0-255	0 to 100%
		17		*BLUE - LED 3
			0-255	0 to 100%
		18		*WHITE - LED 3
			0-255	0 to 100%
		19		*RED - LED 4
			0-255	0 to 100%
		20		*GREEN - LED 4
			0-255	0 to 100%
		21		*BLUE - LED 4
			0-255	0 to 100%
		22		*WHITE - LED 4
			0-255	0 to 100%

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MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
		23	*RED - LED 5 0-255	0 to 100%
		24	*GREEN - LED 5 0-255	0 to 100%
		25	*BLUE - LED 5 0-255	0 to 100%
		26	*WHITE - LED 5 0-255	0 to 100%
		27	*RED - LED 6 0-255	0 to 100%
		28	*GREEN - LED 6 0-255	0 to 100%
		29	*BLUE - LED 6 0-255	0 to 100%
		30	*WHITE - LED 6 0-255	0 to 100%
		31	*RED - LED 7 0-255	0 to 100%
		32	*GREEN - LED 7 0-255	0 to 100%
		33	*BLUE - LED 7 0-255	0 to 100%
		34	*WHITE - LED 7 0-255	0 to 100%
9	11	35	COLOR MACROS	
			0	OFF
			1-4	COLOR MACRO 01
			5-8	COLOR MACRO 02
			9-12	COLOR MACRO 03
			13-16	COLOR MACRO 04
			17-20	COLOR MACRO 05
			21-24	COLOR MACRO 06
			25-28	COLOR MACRO 07
			29-32	COLOR MACRO 08
			33-36	COLOR MACRO 09
			37-40	COLOR MACRO 10
			41-44	COLOR MACRO 11
			45-48	COLOR MACRO 12
			49-52	COLOR MACRO 13
			53-56	COLOR MACRO 14
			57-60	COLOR MACRO 15
			61-64	COLOR MACRO 16
			65-68	COLOR MACRO 17
			69-72	COLOR MACRO 18
			73-76	COLOR MACRO 19
			77-80	COLOR MACRO 20
			81-84	COLOR MACRO 21
			85-88	COLOR MACRO 22
			89-92	COLOR MACRO 23
			93-96	COLOR MACRO 24
			97-100	COLOR MACRO 25
			101-104	COLOR MACRO 26
			105-108	COLOR MACRO 27
			109-112	COLOR MACRO 28
			113-116	COLOR MACRO 29
			117-120	COLOR MACRO 30
			121-124	COLOR MACRO 31
125-128	COLOR MACRO 32			

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MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
9	11	35	COLOR MACROS [continued]	
			129-132	COLOR MACRO 33
			133-136	COLOR MACRO 34
			137-140	COLOR MACRO 35
			141-144	COLOR MACRO 36
			145-148	COLOR MACRO 37
			149-152	COLOR MACRO 38
			153-156	COLOR MACRO 39
			157-160	COLOR MACRO 40
			161-164	COLOR MACRO 41
			165-168	COLOR MACRO 42
			169-172	COLOR MACRO 43
			173-176	COLOR MACRO 44
			177-180	COLOR MACRO 45
			181-184	COLOR MACRO 46
			185-188	COLOR MACRO 47
			189-192	COLOR MACRO 48
			193-196	COLOR MACRO 49
			197-200	COLOR MACRO 50
			201-204	COLOR MACRO 51
			205-208	COLOR MACRO 52
			209-212	COLOR MACRO 53
			213-216	COLOR MACRO 54
			217-220	COLOR MACRO 55
			221-224	COLOR MACRO 56
			225-228	COLOR MACRO 57
			229-232	COLOR MACRO 58
			233-236	COLOR MACRO 59
			237-240	COLOR MACRO 60
			241-244	COLOR MACRO 61
			245-248	COLOR MACRO 62
			249-252	COLOR MACRO 63
253-255	COLOR MACRO 64			
10	12	36	SHUTTER / STROBE	
			0-31	LEDs OFF
			32-63	LEDs ON
			64-95	Strobe Effect SLOW to FAST
			96-127	LEDs ON
			128-159	Pulse Effect in Sequences
			160-191	LEDs ON
			192-223	Random Strobe Effect SLOW to FAST
224-255	LEDs ON			
11	13	37	DIMMER INTENSITY	
			0-255	Intensity 0 to 100%
12	14	38	DIMMER INTENSITY FINE	
			0-255	Dimmer Intensity FINE Adjustment
13	15	39	AUTO PROGRAM MACROS	
			0	NO FUNCTION
			1-20	01 - Single LED Chase Sequence #1
			21-40	02 - Center LED ON then Burst LEDs Out Towards Both Ends and Back
			41-60	03 - Single LED Chase Sequence #2
			61-80	04 - Single LED Chase in Alternating Directions Sequence
			81-100	05 - Single to ALL LED Fill Chase in Same Direction Sequence
			101-120	06 - All LEDs ON Color Changing Sequence
			121-140	07 - Outside to Inside back to Outside LEDs Chase / Color Sequence
			141-160	08 - Single LED Chase Sequence Yellow/Green Color
			161-180	09 - Single LED Chase Sequence Light Purple Color
			181-200	10 - Single LED Chase Sequence Light Blue Color
			201-220	11 - Outside to Inside back to Outside LEDs Chase Sequence Yellow/Green Color
			221-240	12 - Outside to Inside back to Outside LEDs Chase Sequence Light Purple Color
			241-250	13 - Outside to Inside back to Outside LEDs Chase Sequence Light Blue Color
251-255	14 - All LEDs ON Color Gradient Sequence			

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MODE / CHANNEL			VALUE	FUNCTION
BASIC	STAND	EXTEND		
14	16	40		AUTO PROGRAM MACRO SPEED
			0-255	Auto Program Macro Speed SLOW to FAST
15	17	41		DIMMING CURVE MODES
			0-20	STANDARD
			21-40	STAGE
			41-60	TV
			61-80	ARCHITECTURAL
			81-100	THEATRE
			101-255	Default to Unit Setting
16	18	42		PAN / TILT MOVEMENT SPEED
			0-225	MAX to MIN SPEED
			226-235	Blackout By Movement
			236-255	NO FUNCTION
17	19	43		LAMP ON/OFF, RESET, INTERNAL PROGRAMS
			0-79	Normal
			80-84	ALL Motor Reset
			85-99	NO FUNCTION
			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	NO FUNCTION			

Elation Professional USA | 6122 S. Eastern Ave. | Los Angeles, CA. 90040

323-582-3322 | 323-832-9142 fax | www.elationlighting.com | info@elationlighting.com

Elation Professional B.V. | Junostraat 2 | 6468 EW Kerkrade, The Netherlands

+31 45 546 85 66 | +31 45 546 85 96 fax | www.elationlighting.eu | info@elationlighting.eu

ELATION® ACL 360 BAR™

DMX Channel Values / Functions Version 2 (44 Total DMX Channels)

Release Date: 1/21/2016 | Supports Software Versions: ≥ 1.20

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*Pixel control position depends on the specific Pan/Tilt position of the head.

MODE / CHANNEL			VALUE	FUNCTION
USER A	USER B	USER C		
1	1	1		PAN MOVEMENT [8 BIT]
			0-255	PAN Movement 630/540
2		2		PAN FINE MOVEMENT [16 BIT]
			0-255	Fine Control of PAN Movement
3	2	3		TILT MOVEMENT [8 BIT]
			0-255	TILT Movement
4		4		TILT MOVEMENT [16 BIT]
			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
			236-255	NO FUNCTION
6	4	6		PAN CONTINUOUS MOVEMENT
			0-127	NO FUNCTION
			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		TILT CONTINUOUS MOVEMENT
			0-127	NO FUNCTION
			128-189	Forward TILT Rotation from FAST to SLOW
			190-193	NO Rotation
			194-255	Backwards TILT Rotation from SLOW to FAST
8	6			RED (ALL LEDs)
			0-255	0 to 100%
9	7			GREEN (ALL LEDs)
			0-255	0 to 100%
10	8			BLUE (ALL LEDs)
			0-255	0 to 100%
11	9			WHITE (ALL LEDs)
			0-255	BLUE FINE Adjustment
		17		*RED - LED 1
			0-255	0 to 100%
		18		*GREEN - LED 1
			0-255	0 to 100%
		19		*BLUE - LED 1
			0-255	0 to 100%
		20		*WHITE - LED 1
			0-255	0 to 100%
		21		*RED - LED 2
			0-255	0 to 100%
		22		*GREEN - LED 2
			0-255	0 to 100%
		23		*BLUE - LED 2
			0-255	0 to 100%
		24		*WHITE - LED 2
			0-255	0 to 100%

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MODE / CHANNEL			VALUE	FUNCTION
USER A	USER B	USER C		
		25	*RED - LED 3 0-255	0 to 100%
		26	*GREEN - LED 3 0-255	0 to 100%
		27	*BLUE - LED 3 0-255	0 to 100%
		28	*WHITE - LED 3 0-255	0 to 100%
		29	*RED - LED 4 0-255	0 to 100%
		30	*GREEN - LED 4 0-255	0 to 100%
		31	*BLUE - LED 4 0-255	0 to 100%
		32	*WHITE - LED 4 0-255	0 to 100%
		33	*RED - LED 5 0-255	0 to 100%
		34	*GREEN - LED 5 0-255	0 to 100%
		35	*BLUE - LED 5 0-255	0 to 100%
		36	*WHITE - LED 5 0-255	0 to 100%
		37	*RED - LED 6 0-255	0 to 100%
		38	*GREEN - LED 6 0-255	0 to 100%
		39	*BLUE - LED 6 0-255	0 to 100%
		40	*WHITE - LED 6 0-255	0 to 100%
		41	*RED - LED 7 0-255	0 to 100%
		42	*GREEN - LED 7 0-255	0 to 100%
		43	*BLUE - LED 7 0-255	0 to 100%
		44	*WHITE - LED 7 0-255	0 to 100%
12	10	8	SHUTTER / STROBE	
			0-31	LEDs OFF
			32-63	LEDs ON
			64-95	Strobe Effect SLOW to FAST
			96-127	LEDs ON
			128-159	Pulse Effect in Sequences
			160-191	LEDs ON
			192-223	Random Strobe Effect SLOW to FAST
224-255	LEDs ON			
13	11	9	DIMMER INTENSITY 0-255	Intensity 0 to 100%

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MODE / CHANNEL			VALUE	FUNCTION
USER A	USER B	USER C		
14	12	10		COLOR MACROS
			0-7	NO FUNCTION
			8-39	from RED to YELLOW
			40-71	from YELLOW to GREEN
			72-103	from GREEN to CYAN
			104-135	from CYAN to BLUE
			136-167	from BLUE to MAGENTA
			168-199	from MAGENTA to RED
			200-231	from RED to WHITE
			232-255	Crossfading Colors from SLOW to FAST
15	13	11		COLOR PRESETS
			0-4	NO FUNCTION
			5-9	WHITE 2,700K
			10-14	WHITE 3,200K
			15-19	WHITE 4,200K
			20-24	WHITE 5,600K
			25-29	WHITE 6,500K
			30-34	WHITE 8,000K
			35-39	YELLOW
			40-44	MAGENTA
			45-49	CYAN
			50-54	SALMON
			55-59	TURQUOISE
			60-64	LIGHT GREEN
			65-69	STEEL BLUE
			70-74	ORANGE
			75-79	STRAW
			80-84	PALE LAVENDER
			85-89	PINK
			90-94	RED
			95-99	GREEN
			100-104	BLUE
			105-109	RAINBOW 1
			110-114	RAINBOW 2
			115-119	RAINBOW 3
			120-124	RAINBOW 4
			125-129	RAINBOW 5
			130-134	RAINBOW 6
			135-139	RAINBOW 7
			140-144	RAINBOW 8
			145-149	RAINBOW 9
			150-154	RAINBOW 10
			155-159	RAINBOW 11
			160-164	RAINBOW 12
165-169	RAINBOW 13			
170-174	RAINBOW 14			
175-179	RAINBOW 15			
180-184	RAINBOW 16			
185-189	RAINBOW 17			
190-194	RAINBOW 18			
195-199	RAINBOW 19			
200-255	RESERVED			

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MODE / CHANNEL			VALUE	FUNCTION
USER A	USER B	USER C		
19	17	15		COLOR PRESETS DIMMER
			0-255	Intensity 100% to 0%
16	14	12		CHASE MACROS - NOTE: Color Must Be Selected To Engage Macros.
			0-14	LEDs OFF
			15-30	01 - Single LED Chase Sequence #1
			31-46	02 - Center LED ON then 2 Single LEDs Burst Out Towards Both Ends
			47-62	03 - Single LED ON then Alternating Single LEDs ON
			63-78	04 - Single LED ON to Other LEDs ON in Same Direction Sequence
			79-94	05 - 2 LED Array Chase Sequence
			95-110	06 - Single LED Chase Sequence #2
			111-126	07 - 4 LED Array to 3 LED Array Transition Sequence
			127-142	08 - 3 LED Array Chase to Opposite Side Sequence
			143-158	09 - 3 LED Array to 4 LED Array Flash Sequence
			159-174	10 - 4 LED Array Chase To Opposite Side Sequence
			175-190	11 - Single LED to Remaining 6 LEDs Fill In to Opposite Side Sequence
			191-206	12 - Outer 3 LEDs Alternate Flash then Center LED Flashes Sequence
			207-222	13 - Alternating 2 LED Array Flash Sequence
223-238	14 - Single to 7 LED Array ON then OFF in Same Direction Sequence			
239-255	15 - Various LED Array Chase Sequence			
17	15	13		CHASE SPEED
			0-125	FAST to SLOW
			126-130	STOP (SPEED = 0)
			131-255	SLOW to FAST
18	16	14		CHASE FADE
			0-255	Fade Chase
20	18	16		RESET, INTERNAL PROGRAMS
			0-79	Normal
			80-84	ALL Motor Reset
			85-87	Scan Motor Reset
			88-90	NO FUNCTION
			91-93	NO FUNCTION
			94-96	NO FUNCTION
			97-99	NO FUNCTION
			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	NO FUNCTION			

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+31 45 546 85 66 | +31 45 546 85 96 fax | www.elationlighting.eu | info@elationlighting.eu