

# DMX CHANNEL FUNCTIONS AND VALUES

ELATION SEVEN BATTEN 14 | DMX Channel Values / Functions (22 DMX Channels)

**Supports Software Versions: ≥ 3.02**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

## MODE / CHANNEL

RGB 3CH	RGBSeven 3CH	8Bit 7CH	16Bit 14CH	Master 15CH	Cells 14CH	MastCell 22CH	HSI 4CH	HIS Mast 10CH	HIS Cell 14CH	VALUE	FUNCTION				
				1		1		1	1		<b>SHUTTER / STROBE</b>				
													0-31	LED OFF	
													32-63	LED ON	
													64-95	Strobe Effect SLOW to FAST	
													96-127	LED ON	
													128-159	Strobe Pulse Effect SLOW to FAST	
													160-191	LED ON	
													192-223	Random Strobe Effect SLOW to FAST	
													224-255	LED ON	
				2		2	1	2	2		<b>MASTER DIMMER / INTENSITY</b>				
														0-255	0-100%
				3		3	2	3	3		<b>MASTER DIMMER / INTENSITY FINE</b>				
														0-255	0-100%
				4		4		4	4		<b>DIMMING MODES</b>				
													0-20	STANDARD	
													21-40	STAGE	
													41-60	TV	
													61-80	ARCHITECTURAL	
													81-100	THEATER	
													101-120	STAGE 2	
									121-255	DEFAULT TO UNIT SETTING					
				5		5		5	5		<b>PROGRAM MACROS</b>				
														0-19	NO FUNCTION
														20-39	PROGRAM 01
														40-59	PROGRAM 02
														60-79	PROGRAM 03
														80-99	PROGRAM 04
														100-119	PROGRAM 05
														120-139	PROGRAM 06
														140-159	PROGRAM 07
														160-179	PROGRAM 08
														180-199	PROGRAM 09
														200-219	PROGRAM 10
														220-239	PROGRAM 11
										240-255	PROGRAM 12				
				6		6		6	6		<b>PROGRAM MACRO SPEED</b>				
													0-255	Program Macro SPEED SLOW to FAST	
				7		7		7	7		<b>PROGRAM MACRO FADE</b>				
													0-255	Program Macro FADE SLOW to FAST	

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

MODE / CHANNEL										VALUE	FUNCTION
RGB 3CH	RGBSeven 3CH	8Bit 7CH	16Bit 14CH	Master 15CH	Cells 14CH	MastCell 22CH	HSI 4CH	HIS Mast 10CH	HIS Cell 14CH		
											<b>COLOR MACROS</b>
											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
				8		8		8	8		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

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

MODE / CHANNEL										VALUE	FUNCTION
RGB 3CH	RGBSeven 3CH	8Bit 7CH	16Bit 14CH	Master 15CH	Cells 14CH	MastCell 22CH	HSI 4CH	HIS Mast 10CH	HIS Cell 14CH		
										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
				8		8		8	8	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

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

MODE / CHANNEL										VALUE	FUNCTION
RGB 3CH	RGBSeven 3CH	8Bit 7CH	16Bit 14CH	Master 15CH	Cells 14CH	MastCell 22CH	HSI 4CH	HIS Mast 10CH	HIS Cell 14CH		
							3	9			HUE - ALL PIXELS / ZONES
										0-255	0-100%
							4	10			SATURATION - ALL PIXELS / ZONES
										0-255	0-100%
1	1	1	1	9							RED - ALL PIXELS / ZONES
										0-255	0-100%
			2								RED FINE - ALL PIXELS / ZONES
										0-255	16-bit FINE Adjustment
2	2	2	3	10							GREEN - ALL PIXELS / ZONES
										0-255	0-100%
			4								GREEN FINE - ALL PIXELS / ZONES
										0-255	16-bit FINE Adjustment
3	3	3	5	11							BLUE - ALL PIXELS / ZONES
										0-255	0-100%
			6								BLUE FINE - ALL PIXELS / ZONES
										0-255	16-bit FINE Adjustment
		4	7	12							WHITE - ALL PIXELS / ZONES
										0-255	0-100%
			8								WHITE FINE - ALL PIXELS / ZONES
										0-255	16-bit FINE Adjustment
		5	9	13							AMBER - ALL PIXELS / ZONES
										0-255	0-100%
			10								AMBER FINE - ALL PIXELS / ZONES
										0-255	16-bit FINE Adjustment
		6	11	14							LIME - ALL PIXELS / ZONES
										0-255	0-100%
			12								LIME FINE - ALL PIXELS / ZONES
										0-255	16-bit FINE Adjustment
		7	13	15							UV - ALL PIXELS / ZONES
										0-255	0-100%
			14								UV - ALL PIXELS / ZONES
										0-255	16-bit FINE Adjustment

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

MODE / CHANNEL										VALUE	FUNCTION
RGB 3CH	RGBSeven 3CH	8Bit 7CH	16Bit 14CH	Master 15CH	Cells 14CH	MastCell 22CH	HSI 4CH	HIS Mast 10CH	HIS Cell 14CH		
									9	0-255	HUE - ZONE 1 0-100%
									10	0-255	SATURATION - ZONE 1 0-100%
									11	0-255	INTENSITY - ZONE 1 0-100%
					1	9				0-255	RED - ZONE 1 0-100%
					2	10				0-255	GREEN - ZONE 1 0-100%
					3	11				0-255	BLUE - ZONE 1 0-100%
					4	12				0-255	WHITE - ZONE 1 0-100%
					5	13				0-255	AMBER - ZONE 1 0-100%
					6	14				0-255	LIME - ZONE 1 0-100%
					7	15				0-255	UV - ZONE 1 0-100%
					8	16				0-255	RED - ZONE 2 0-100%
									12	0-255	HUE - ZONE 2 0-100%
									13	0-255	SATURATION - ZONE 2 0-100%
									14	0-255	INTENSITY - ZONE 2 0-100%
					9	17				0-255	GREEN - ZONE 2 0-100%
					10	18				0-255	BLUE - ZONE 2 0-100%
					11	19				0-255	WHITE - ZONE 2 0-100%
					12	20				0-255	AMBER - ZONE 2 0-100%
					13	21				0-255	LIME - ZONE 2 0-100%
					14	22				0-255	UV - ZONE 2 0-100%

**ELATION SEVEN BATTEN 14 | DMX Channels RGB MODES**

**SOFTWARE UPDATE - Supports Software Versions: ≥ 3.05**

**\*\*\* IMPORTANT NOTE \*\*\***

For all modes without Dim Mode and Control Channels use the following values inside the fixture:

**Dimmer Delay Time 0.1s | Dimmer Curve Linear**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

RGB 3CH	RGBSeven 3CH	8bit 7CH	16bit 14CH	16b+Dim 16CH	Extended 15CH	Cells 14CH	Cells Dim 16CH	Exte Cells 22CH	VALUE	FUNCTION	Default	Snap
					1			1		<b>STROBE</b>		
									0-31	LED OFF		
									32-63	LED ON		
									64-95	Strobe Effect SLOW to FAST		
									96-127	LED ON		
									128-159	Strobe Pulse Effect In Sequences SLOW to FAST	50	X
									160-191	LED ON		
									192-223	Random Strobe Effect SLOW to FAST		
									224-255	LED ON		
				1	2		1	2		<b>MASTER DIMMER / INTENSITY</b>	0	
									0-255	0 → 100%		
				2	3		2	3		<b>MASTER DIMMER / INTENSITY FINE</b>	0	
									0-255	0 → 100%		

**ELATION SEVEN BATTEN 14 | DMX Channels RGB MODES**

**SOFTWARE UPDATE - Supports Software Versions: ≥ 3.05**

**\*\*\* IMPORTANT NOTE \*\*\***

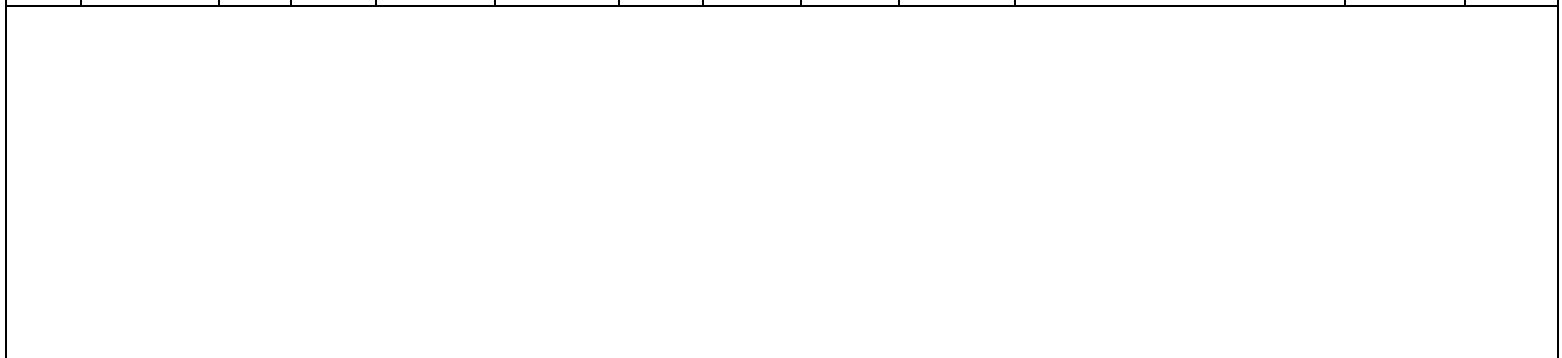
For all modes without Dim Mode and Control Channels use the following values inside the fixture:

**Dimmer Delay Time 0.1s | Dimmer Curve Linear**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

RGB 3CH	RGBSeven 3CH	8bit 7CH	16bit 14CH	16b+Dim 16CH	Extended 15CH	Cells 14CH	Cells Dim 16CH	Exte Cells 22CH	VALUE	FUNCTION	Default	Snap
										<b>DIMMING MODES</b>		
									0-20	STANDARD		
									21-40	STAGE		
									41-60	TV		
									61-80	ARCHITECTURAL		
									81-100	THEATER		
									101-120	STAGE 2		
										<b>DIMMER DELAY TIME</b>		
									121	0s		
									122	0.1s (default)		
									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	Default		



**ELATION SEVEN BATTEN 14 | DMX Channels RGB MODES**

**SOFTWARE UPDATE - Supports Software Versions: ≥ 3.05**

**\*\*\* IMPORTANT NOTE \*\*\***

For all modes without Dim Mode and Control Channels use the following values inside the fixture:

**Dimmer Delay Time 0.1s | Dimmer Curve Linear**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

RGB 3CH	RGBSeven 3CH	8bit 7CH	16bit 14CH	16b+Dim 16CH	Extended 15CH	Cells 14CH	Cells Dim 16CH	Exte Cells 22CH	VALUE	FUNCTION	Default	Snap
										<b>CONTROL</b>		
									0-19	Idle		
									20-24	Program 1		
									25-29	Program 2		
									30-34	Program 3		
									35-39	Program 4		
									40-44	Program 5		
									45-49	Program 6		
									50-54	Program 7		
									55-59	Program 8		
									60-64	Program 9		
									65-69	Program 10		
									70-74	Program 11		
									75-79	Program 12		
									80-100	Idle		
										<b>CHANGE REFRESH RATE (HZ)</b>		
									101-105	900		
									106-110	1000		
									111-115	1100		
									116-120	1200 (default)		
									121-125	1300		
									126-130	1400		
									131-135	1500		
									136-140	2500		
									141-145	4000		
									146-150	5000		
									151-155	10000		
									156-160	15000		
									161-165	20000		
									166-170	25000		
									170-200	Idle		
										<b>DIMMER CURVES</b>		
									201-210	Dimmer Curve Linear (default)		
									211-220	Dimmer Curve Square		
									221-230	Dimmer Curve Inverse Square		
									231-240	Dimmer Curve S-Curve		
									241-255	Idle		



**ELATION SEVEN BATTEN 14 | DMX Channels RGB MODES**

**SOFTWARE UPDATE - Supports Software Versions: ≥ 3.05**

**\*\*\* IMPORTANT NOTE \*\*\***

For all modes without Dim Mode and Control Channels use the following values inside the fixture:

**Dimmer Delay Time 0.1s | Dimmer Curve Linear**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

RGB 3CH	RGBSeven 3CH	8bit 7CH	16bit 14CH	16b+Dim 16CH	Extended 15CH	Cells 14CH	Cells Dim 16CH	Exte Cells 22CH	VALUE	FUNCTION	Default	Snap
					6			6		<b>PROGRAM MACRO SPEED</b>	128	
								0-255	Program Macro SPEED SLOW to FAST			
					7			7		<b>PROGRAM MACRO FADE</b>	128	
								0-255	Program Macro FADE SLOW to FAST			
					8			8		<b>COLOR MACROS</b>	0	X
								0-255	Color Macros 01 → 64			

**ELATION SEVEN BATTEN 14 | DMX Channels RGB MODES**

**SOFTWARE UPDATE - Supports Software Versions: ≥ 3.05**

**\*\*\* IMPORTANT NOTE \*\*\***

For all modes without Dim Mode and Control Channels use the following values inside the fixture:

**Dimmer Delay Time 0.1s | Dimmer Curve Linear**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

RGB 3CH	RGBSeven 3CH	8bit 7CH	16bit 14CH	16b+Dim 16CH	Extended 15CH	Cells 14CH	Cells Dim 16CH	Exte Cells 22CH	VALUE	FUNCTION	Default	Snap
1	1	1	1	3	9	1	3	9		<b>RED</b>	255	
									0-255	0 → 100%		
			2	4						<b>RED FINE</b>	255	
									0-255	0 → 100%		
2	2	2	3	5	10	2	4	10		<b>GREEN</b>	255	
									0-255	0 → 100%		
			4	6						<b>GREEN FINE</b>	255	
									0-255	0 → 100%		
3	3	3	5	7	11	3	5	11		<b>BLUE</b>	255	
									0-255	0 → 100%		
			6	8						<b>BLUE FINE</b>	255	
									0-255	0 → 100%		
		4	7	9	12	4	6	12		<b>WHITE</b>	255	
									0-255	0 → 100%		
			8	10						<b>WHITE FINE</b>	255	
									0-255	0 → 100%		
		5	9	11	13	5	7	13		<b>AMBER</b>	255	
									0-255	0 → 100%		
			10	12						<b>AMBER FINE</b>	255	
									0-255	0 → 100%		
		6	11	13	14	6	8	14		<b>LIME</b>	255	
									0-255	0 → 100%		
			12	14						<b>LIME FINE</b>	255	
									0-255	0 → 100%		
		7	13	15	15	7	9	15		<b>UV</b>	255	
									0-255	0 → 100%		
			14	16						<b>UV FINE</b>	255	
									0-255	0 → 100%		
						8	10	16		<b>RED 2</b>	255	
									0-255	0 → 100%		
						9	11	17		<b>GREEN 2</b>	255	
									0-255	0 → 100%		
						10	12	18		<b>BLUE 2</b>	255	
									0-255	0 → 100%		
						11	13	19		<b>WHITE 2</b>	255	
									0-255	0 → 100%		
						12	14	20		<b>AMBER 2</b>	255	
									0-255	0 → 100%		
						13	15	21		<b>LIME 2</b>	255	
									0-255	0 → 100%		
						14	16	22		<b>UV 2</b>	255	
									0-255	0 → 100%		

**ELATION SEVEN BATTEN 14 | DMX Channels HSI MODES**

**SOFTWARE UPDATE - Supports Software Versions: ≥ 3.05**

**\*\*\* IMPORTANT NOTE \*\*\***

For all modes without Dim Mode and Control Channels use the following values inside the fixture:  
**Dimmer Delay Time 0.1s | Dimmer Curve Linear**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

HSI 4CH	HSI Exten 10CH	HSI Cell 14CH	VALUE	FUNCTION	Default	Snap
				<b>STROBE</b>		
			0-31	LED OFF		
			32-63	LED ON		
			64-95	Strobe Effect SLOW to FAST		
	1	1	96-127	LED ON	50	X
			128-159	Strobe Pulse Effect In Sequences SLOW to FAST		
			160-191	LED ON		
			192-223	Random Strobe Effect SLOW to FAST		
			224-255	LED ON		
1	2	2		<b>MASTER DIMMER / INTENSITY</b>	0	
			0-255	0-100%		
2	3	3		<b>MASTER DIMMER / INTENSITY FINE</b>	0	
			0-255	0-100%		

**ELATION SEVEN BATTEN 14 | DMX Channels HSI MODES**

**SOFTWARE UPDATE - Supports Software Versions: ≥ 3.05**

**\*\*\* IMPORTANT NOTE \*\*\***

For all modes without Dim Mode and Control Channels use the following values inside the fixture:

**Dimmer Delay Time 0.1s | Dimmer Curve Linear**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

HSI 4CH	HSI Exten 10CH	HSI Cell 14CH	VALUE	FUNCTION	Default	Snap
				<b>DIMMING MODES</b>		
			0-20	STANDARD		
			21-40	STAGE		
			41-60	TV		
			61-80	ARCHITECTURAL		
			81-100	THEATER		
			101-120	STAGE 2		
				<b>DIMMER DELAY TIME</b>		
			121	0s		
			122	0.1s (default)		
			123	0.2s		
			124	0.3s		
			125	0.4s		
			126	0.5s		
			127	0.6s		
	4	4	128	0.7s	0	x
			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	Default		

**ELATION SEVEN BATTEN 14 | DMX Channels HSI MODES**

**SOFTWARE UPDATE - Supports Software Versions: ≥ 3.05**

**\*\*\* IMPORTANT NOTE \*\*\***

For all modes without Dim Mode and Control Channels use the following values inside the fixture:  
**Dimmer Delay Time 0.1s | Dimmer Curve Linear**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

HSI 4CH	HSI Exten 10CH	HSI Cell 14CH	VALUE	FUNCTION	Default	Snap
				<b>CONTROL</b>		
			0 -19	Idle		
			20-24	Program 1		
			25-29	Program 2		
			30-34	Program 3		
			35-39	Program 4		
			40-44	Program 5		
			45-49	Program 6		
			50-54	Program 7		
			55-59	Program 8		
			60-64	Program 9		
			65-69	Program 10		
			70-74	Program 11		
			75-79	Program 12		
			80-100	Idle		
				<b>CHANGE REFRESH RATE (HZ)</b>		
			101-105	900		
			106-110	1000		
	5	5	111-115	1100	0	x
			116-120	1200 (default)		
			121-125	1300		
			126-130	1400		
			131-135	1500		
			136-140	2500		
			141-145	4000		
			146-150	5000		
			151-155	10000		
			156-160	15000		
			161-165	20000		
			166-170	25000		
			170-200	Idle		
				<b>DIMMER CURVES</b>		
			201-210	Dimmer Curve Linear (default)		
			211-220	Dimmer Curve Square		
			221-230	Dimmer Curve Inverse Square		
			231-240	Dimmer Curve S-Curve		
			241-255	Idle		

**ELATION SEVEN BATTEN 14 | DMX Channels HSI MODES**

**SOFTWARE UPDATE - Supports Software Versions: ≥ 3.05**

**\*\*\* IMPORTANT NOTE \*\*\***

For all modes without Dim Mode and Control Channels use the following values inside the fixture:

**Dimmer Delay Time 0.1s | Dimmer Curve Linear**

Features subject to change without any prior written notice.

**\*PIXEL/ZONE control depends on flip system menu setting and fixture orientation.**

HSI 4CH	HSI Exten 10CH	HSI Cell 14CH	VALUE	FUNCTION	Default	Snap
	6	6	0-255	<b>PROGRAM MACRO SPEED</b> Program Macro SPEED SLOW to FAST	128	
	7	7	0-255	<b>PROGRAM MACRO FADE</b> Program Macro FADE SLOW to FAST	128	
	8	8	0-255	<b>COLOR MACROS</b> Color Macros 01-64	0	x
3	9	9	0-255	<b>HUE</b> 0 → 100%	0	
4	10	10	0-255	<b>SATURATION</b> 0 → 100%	255	
		11	0-255	<b>INTENSITY</b> 0 → 100%	255	
		12	0-255	<b>HUE 2</b> 0 → 100%	0	
		13	0-255	<b>SATURATION 2</b> 0 → 100%	255	
		14	0-255	<b>INTENSITY 2</b> 0 → 100%	255	