

DMX CHANNEL FUNCTIONS AND VALUES

ELATION DTW BAR 1000 DMX Channel Values / Functions (45 DMX Channels)

Supports Software Versions: ≥ 1.02

Features are subject to change without any prior written notice.
*Control of LEDs depends on the Pixel Flip setting.

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	N/A	N/A		
1	1													0-255	All LEDs [1-12] (0) = 0% (255) = 100%
		1	1	1	1	1								0-255	COOL WHITE - All LEDs [1-12] (0) = 0% (255) = 100%
		2	2	2	2	2								0-255	WARM WHITE - All LEDs [1-12] (0) = 0% (255) = 100%
		3	3	3	3	3								0-255	AMBER - All LEDs [1-12] (0) = 0% (255) = 100%
							1	1						0-255	LED [1] (0) = 0% (255) = 100%
							2	2						0-255	LED [2] (0) = 0% (255) = 100%
							3	3						0-255	LED [3] (0) = 0% (255) = 100%
							4	4						0-255	LED [4] (0) = 0% (255) = 100%
							5	5						0-255	LED [5] (0) = 0% (255) = 100%
							6	6						0-255	LED [6] (0) = 0% (255) = 100%
							7	7						0-255	LED [7] (0) = 0% (255) = 100%
							8	8						0-255	LED [8] (0) = 0% (255) = 100%
							9	9						0-255	LED [9] (0) = 0% (255) = 100%
							10	10						0-255	LED [10] (0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	N/A	N/A		
							11	11						0-255	LED [11] (0) = 0% (255) = 100%
							12	12						0-255	LED [12] (0) = 0% (255) = 100%
									1	1	1			0-255	COOL WHITE - LED [1] (0) = 0% (255) = 100%
									2	2	2			0-255	WARM WHITE - LED [1] (0) = 0% (255) = 100%
									3	3	3			0-255	AMBER - LED [1] (0) = 0% (255) = 100%
									4	4	4			0-255	COOL WHITE - LED [2] (0) = 0% (255) = 100%
									5	5	5			0-255	WARM WHITE - LED [2] (0) = 0% (255) = 100%
									6	6	6			0-255	AMBER - LED [2] (0) = 0% (255) = 100%
									7	7	7			0-255	COOL WHITE - LED [3] (0) = 0% (255) = 100%
									8	8	8			0-255	WARM WHITE - LED [3] (0) = 0% (255) = 100%
									9	9	9			0-255	AMBER - LED [3] (0) = 0% (255) = 100%
									10	10	10			0-255	COOL WHITE - LED [4] (0) = 0% (255) = 100%
									11	11	11			0-255	WARM WHITE - LED [4] (0) = 0% (255) = 100%
									12	12	12			0-255	AMBER - LED [4] (0) = 0% (255) = 100%
									13	13	13			0-255	COOL WHITE - LED [5] (0) = 0% (255) = 100%
									14	14	14			0-255	WARM WHITE - LED [5] (0) = 0% (255) = 100%
									15	15	15			0-255	AMBER - LED [5] (0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	N/A	N/A		
									16	16	16			0-255	COOL WHITE - LED [6] (0) = 0% (255) = 100%
									17	17	17			0-255	WARM WHITE - LED [6] (0) = 0% (255) = 100%
									18	18	18			0-255	AMBER - LED [6] (0) = 0% (255) = 100%
									19	19	19			0-255	COOL WHITE - LED [7] (0) = 0% (255) = 100%
									20	20	20			0-255	WARM WHITE - LED [7] (0) = 0% (255) = 100%
									21	21	21			0-255	AMBER - LED [7] (0) = 0% (255) = 100%
									22	22	22			0-255	COOL WHITE - LED [8] (0) = 0% (255) = 100%
									23	23	23			0-255	WARM WHITE - LED [8] (0) = 0% (255) = 100%
									24	24	24			0-255	AMBER - LED [8] (0) = 0% (255) = 100%
									25	25	25			0-255	COOL WHITE - LED [9] (0) = 0% (255) = 100%
									26	26	26			0-255	WARM WHITE - LED [9] (0) = 0% (255) = 100%
									27	27	27			0-255	AMBER - LED [9] (0) = 0% (255) = 100%
									28	28	28			0-255	COOL WHITE - LED [10] (0) = 0% (255) = 100%
									29	29	29			0-255	WARM WHITE - LED [10] (0) = 0% (255) = 100%
									30	30	30			0-255	AMBER - LED [10] (0) = 0% (255) = 100%
									31	31	31			0-255	COOL WHITE - LED [11] (0) = 0% (255) = 100%
									32	32	32			0-255	WARM WHITE - LED [11] (0) = 0% (255) = 100%
									33	33	33			0-255	AMBER - LED [11] (0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	N/A	N/A		
									34	34	34			0-255	COOL WHITE - LED [12] (0) = 0% (255) = 100%
									35	35	35			0-255	WARM WHITE - LED [12] (0) = 0% (255) = 100%
									36	36	36			0-255	AMBER - LED [12] (0) = 0% (255) = 100%
											37			0-255	All LEDs [1-12] (0) = 0% (255) = 100%
															COLOR MACROS
														0-30	NO Function
														31-61	WARM WHITE
														62-92	COOL WHITE
														93-123	AMBER
						4		13			37			124-154	WARM WHITE + COOL WHITE
														155-185	WARM WHITE + AMBER
														186-216	COOL WHITE + AMBER
														217-247	WW + CW + AMBER
														248-255	NO Function
															SHUTTER / STROBE
														0-31	LEDS OFF
														32-95	Variable Strobe SLOW to FAST
					4	5		14			38			96-127	LEDS ON
														128-159	Pulse Strobe SLOW to FAST
														160-191	LEDS ON
														192-223	Random Strobe SLOW to FAST
														224-255	LEDS ON
			4	4	5	6					39	40		0-255	MASTER DIMMER (0) = 0 (255) = 100%
			5	5	6	7					40	41		0-255	MASTER DIMMER FINE (0) = 0 (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION			
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	N/A	N/A					
	2			6	7			15		41	42					DIMMING CURVE MODES		
																0-20	STANDARD	
																21-40	STAGE	
																41-60	TV	
																61-80	ARCHITECTURAL	
																81-100	THEATRE	
																101-255	Default to Unit Setting	
																	PROGRAM MACROS	
																	0-10	NO Function
																	11-26	Program 01
																	27-43	Program 02
																	44-60	Program 03
																	61-76	Program 04
																	77-93	Program 05
						8											94-110	Program 06
																	111-126	Program 07
																	127-143	Program 08
																	144-160	Program 09
																	161-176	Program 10
																	177-193	Program 11
																	194-210	Program 12
																	211-255	NO Function
						9												PROGRAM SPEED
																	0-255	(0) SLOW to (255) FAST
						10												PROGRAM FADE
																	0-255	(0) = 0% (255) = 100%

DMX CHANNEL MODE UPDATE WITH SOFTWARE UPDATE VERSION ≥1.10

ELATION DTW BAR 1000																	
DMX Channel Values / Functions (72 DMX Channels)																	
Supports Software Versions: ≥ 1.10																	
Features are subject to change without any prior written notice. *Control of LEDs depends on the Pixel Flip setting.																	
DMX CHANNEL MODE													VALUE	FUNCTION			
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH			72 CH		
SAME AS V1.02													1		0-255	LED [1]	(0) = 0% (255) = 100%
													2		0-255	LED [2]	(0) = 0% (255) = 100%
													3		0-255	LED [3]	(0) = 0% (255) = 100%
													4		0-255	LED [4]	(0) = 0% (255) = 100%
													5		0-255	LED [5]	(0) = 0% (255) = 100%
													6		0-255	LED [6]	(0) = 0% (255) = 100%
													7		0-255	LED [7]	(0) = 0% (255) = 100%
													8		0-255	LED [8]	(0) = 0% (255) = 100%
													9		0-255	LED [9]	(0) = 0% (255) = 100%
													10		0-255	LED [10]	(0) = 0% (255) = 100%
													11		0-255	LED [11]	(0) = 0% (255) = 100%
													12		0-255	LED [12]	(0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION		
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH				
SAME AS V1.02															1	0-255	COOL WHITE - LED [1] (0) = 0% (255) = 100%
															2	0-255	COOL WHITE FINE - LED [1] (0) = 0% (255) = 100%
															3	0-255	WARM WHITE - LED [1] (0) = 0% (255) = 100%
															4	0-255	WARM WHITE FINE - LED [1] (0) = 0% (255) = 100%
															5	0-255	AMBER - LED [1] (0) = 0% (255) = 100%
															6	0-255	AMBER FINE - LED [1] (0) = 0% (255) = 100%
															7	0-255	COOL WHITE - LED [2] (0) = 0% (255) = 100%
															8	0-255	COOL WHITE FINE - LED [2] (0) = 0% (255) = 100%
															9	0-255	WARM WHITE - LED [2] (0) = 0% (255) = 100%
															10	0-255	WARM WHITE FINE - LED [2] (0) = 0% (255) = 100%
															11	0-255	AMBER - LED [2] (0) = 0% (255) = 100%
															12	0-255	AMBER FINE - LED [2] (0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION		
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH				
SAME AS V1.02															13	0-255	COOL WHITE - LED [3] (0) = 0% (255) = 100%
															14	0-255	COOL WHITE FINE - LED [3] (0) = 0% (255) = 100%
															15	0-255	WARM WHITE - LED [3] (0) = 0% (255) = 100%
															16	0-255	WARM WHITE FINE - LED [3] (0) = 0% (255) = 100%
															17	0-255	AMBER - LED [3] (0) = 0% (255) = 100%
															18	0-255	AMBER FINE - LED [3] (0) = 0 (255) = 100%
															19	0-255	COOL WHITE - LED [4] (0) = 0% (255) = 100%
															20	0-255	COOL WHITE FINE - LED [4] (0) = 0% (255) = 100%
															21	0-255	WARM WHITE - LED [4] (0) = 0% (255) = 100%
															22	0-255	WARM WHITE FINE - LED [4] (0) = 0% (255) = 100%
															23	0-255	AMBER - LED [4] (0) = 0% (255) = 100%
															24	0-255	AMBER FINE - LED [4] (0) = 0% (255) = 100%
															25	0-255	COOL WHITE - LED [5] (0) = 0% (255) = 100%
															26	0-255	COOL WHITE FINE - LED [5] (0) = 0% (255) = 100%
															27	0-255	WARM WHITE - LED [5] (0) = 0% (255) = 100%
															28	0-255	WARM WHITE FINE - LED [5] (0) = 0% (255) = 100%
															29	0-255	AMBER - LED [5] (0) = 0% (255) = 100%
															30	0-255	AMBER FINE - LED [5] (0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION		
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH				
SAME AS V1.02															31	0-255	COOL WHITE - LED [6] (0) = 0% (255) = 100%
															32	0-255	COOL WHITE FINE - LED [6] (0) = 0% (255) = 100%
															33	0-255	WARM WHITE - LED [6] (0) = 0% (255) = 100%
															34	0-255	WARM WHITE FINE - LED [6] (0) = 0% (255) = 100%
															35	0-255	AMBER - LED [6] (0) = 0% (255) = 100%
															36	0-255	AMBER FINE - LED [6] (0) = 0% (255) = 100%
															37	0-255	COOL WHITE - LED [7] (0) = 0% (255) = 100%
															38	0-255	COOL WHITE FINE - LED [7] (0) = 0% (255) = 100%
															39	0-255	WARM WHITE - LED [7] (0) = 0% (255) = 100%
															40	0-255	WARM WHITE FINE - LED [7] (0) = 0% (255) = 100%
															41	0-255	AMBER - LED [7] (0) = 0% (255) = 100%
															42	0-255	AMBER FINE - LED [7] (0) = 0% (255) = 100%
															43	0-255	COOL WHITE - LED [8] (0) = 0% (255) = 100%
															44	0-255	COOL WHITE FINE - LED [8] (0) = 0% (255) = 100%
															45	0-255	WARM WHITE - LED [8] (0) = 0% (255) = 100%
															46	0-255	WARM WHITE FINE - LED [8] (0) = 0% (255) = 100%
															47	0-255	AMBER - LED [8] (0) = 0% (255) = 100%
															48	0-255	AMBER FINE - LED [8] (0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION		
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH				
SAME AS V1.02															49	0-255	COOL WHITE - LED [9] (0) = 0% (255) = 100%
															50	0-255	COOL WHITE FINE - LED [9] (0) = 0% (255) = 100%
															51	0-255	WARM WHITE - LED [9] (0) = 0% (255) = 100%
															52	0-255	WARM WHITE FINE - LED [9] (0) = 0% (255) = 100%
															53	0-255	AMBER - LED [9] (0) = 0% (255) = 100%
															54	0-255	AMBER FINE - LED [9] (0) = 0% (255) = 100%
															55	0-255	COOL WHITE - LED [10] (0) = 0% (255) = 100%
															56	0-255	COOL WHITE FINE - LED [10] (0) = 0% (255) = 100%
															57	0-255	WARM WHITE - LED [10] (0) = 0% (255) = 100%
															58	0-255	WARM WHITE FINE - LED [10] (0) = 0% (255) = 100%
															59	0-255	AMBER - LED [10] (0) = 0% (255) = 100%
															60	0-255	AMBER FINE - LED [10] (0) = 0% (255) = 100%
															61	0-255	COOL WHITE - LED [11] (0) = 0% (255) = 100%
															62	0-255	COOL WHITE FINE - LED [11] (0) = 0% (255) = 100%
															63	0-255	WARM WHITE - LED [11] (0) = 0% (255) = 100%
															64	0-255	WARM WHITE FINE - LED [11] (0) = 0% (255) = 100%
															65	0-255	AMBER - LED [11] (0) = 0% (255) = 100%
															66	0-255	AMBER FINE - LED [11] (0) = 0% (255) = 100%

DMX CHANNEL MODE														VALUE	FUNCTION		
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH	72 CH				
SAME AS V1.02															67	0-255	COOL WHITE - LED [12] (0) = 0% (255) = 100%
															68	0-255	COOL WHITE FINE - LED [12] (0) = 0% (255) = 100%
															69	0-255	WARM WHITE - LED [12] (0) = 0% (255) = 100%
															70	0-255	WARM WHITE FINE - LED [12] (0) = 0% (255) = 100%
															71	0-255	AMBER - LED [12] (0) = 0% (255) = 100%
															72	0-255	AMBER FINE - LED [12] (0) = 0% (255) = 100%
															13		COLOR MACROS
																0-30	NO Function
																31-61	WARM WHITE
																62-92	COOL WHITE
																93-123	AMBER
																124-154	WARM WHITE + COOL WHITE
																155-185	WARM WHITE + AMBER
																186-216	COOL WHITE + AMBER
																217-247	WW + CW + AMBER
																248-255	NO Function
															14		SHUTTER / STROBE
																0-31	LEDS OFF
																32-95	Variable Strobe SLOW to FAST
																96-127	LEDS ON
																128-159	Pulse Strobe SLOW to FAST
																160-191	LEDS ON
																192-223	Random Strobe SLOW to FAST
																224-255	LEDS ON
															15	0-255	MASTER DIMMER (0) = 0% (255) = 100%
															16	0-255	MASTER DIMMER FINE (0) = 0% (255) = 100%

DMX CHANNEL MODE													VALUE	FUNCTION	
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH			
SAME AS V1.02													17		CTL (CONTROL TEMP LOW)
														0	NO Function
														1-25	1,600K
														26-50	1,700K
														51-75	1,800K
														76-100	1,900K
														101-125	2,000K
														126-150	2,100K
														151-175	2,200K
														176-200	2,300K
														201-225	2,400K
													226-255	2,500K	
													18		CTH (CONTROL TEMP HIGH)
														0	NO Function
														1-5	2,500K
														6-10	2,600K
														11-15	2,700K
														16-20	2,800K
														21-25	2,900K
														26-30	3,000K
														31-35	3,100K
														36-40	3,200K
														41-45	3,300K
														46-50	3,400K
														51-55	3,500K
56-60	3,600K														
61-65	3,700K														
66-70	3,800K														
71-75	3,900K														
76-80	4,000K														
81-85	4,100K														
86-90	4,200K														
91-95	4,300K														
96-100	4,400K														
101-105	4,500K														
106-110	4,600K														
111-115	4,700K														
116-120	4,800K														
121-125	4,900K														

DMX CHANNEL MODE													VALUE	FUNCTION	
1 CH	2 CH	3 CH	5 CH	6 CH	7 CH	10 CH	12 CH	15 CH	36 CH	41 CH	45 CH	20 CH			
SAME AS V1.02													18		CTH (CONTROL TEMP HIGH)
														126-130	5,000K
														131-135	5,100K
														136-140	5,200K
														141-145	5,300K
														146-150	5,400K
														151-155	5,500K
														156-160	5,600K
														161-165	5,700K
														166-170	5,800K
														171-175	5,900K
														176-180	6,000K
														181-185	6,100K
														186-190	6,200K
													191-195	6,300K	
													196-200	6,400K	
													201-255	6,500K	
													19		MAXIMUM OUTPUT LIMITER (See Notes Below)
														0-255	(0) = 0% (255) = 100%
													20		DIMMING CURVE MODES
0-20	STANDARD														
21-40	STAGE														
41-60	TV														
61-80	ARCHITECTURAL														
81-100	THEATRE														
101-255	Default to Unit Setting														

DYNAMIC DIM TO WARM CONTROL RANGE – ADDED WITH V1.1.0

This feature provides dynamic color temperature control by allowing a specific CTH (Color Temperature High) and CTL (Color Temp Low) to be set via the fixture’s system menu or via DMX control. This feature provides smooth DIM to WARM dimming and superior color rendering consistency (CRI), ensuring colors look as intended even while dimming.

DMX 20 CHANNEL MODE - ADDED WITH V1.1.0

Channels 1-12 (LED pixels 1-12) are used to set the individual LED pixel output levels. Note channel 14 (Shutter/Strobe), 15 (Master Dimmer) and/or 16 (Dimmer FINE), must be used in order for channels 1-12 to function. Channel 17 (CTL Control Temp Low) and Channel 18 (CTH Control Temp High) are used to set the specific dynamic Color Temperature levels. Channel 19 is used to set the maximum output limit of channels 1-12, 14, 15 and/or 16, without affecting the Color Temperature values set in channels 17 and/or 18.