

Creative Light 1 Plus (CL1+)

DMX Channel



Revision 20210303-01



15. DMX channel index (CL1+ only)

This section lists the commands available via DMX in the CL1+ fixture's three DMX modes.

DMX Mode 1: Basic

7 DMX Channels

Channel	Command	DMX range		Percent		Default DMX	Fade	
1	Global intensity	Global intensity 0→100%	0	255	0	100	0	Fade
2	Global shutter	Shutter closed	0	4	0	1.6	255	Snap
		Music trigger flash	5	9	2.0	3.5		Snap
		Random pulse slow → fast	10	39	3.9	15.3		Fade
		Random opening pulse slow → fast	40	69	15.7	27.1		Fade
		Random closing pulse slow → fast	70	99	27.5	38.8		Fade
		Random double flash slow → fast	100	129	39.2	50.6		Fade
		Random pixel strobe slow → fast	130	159	51.0	62.4		Fade
		Random all strobe slow → fast	160	199	62.7	78.0		Fade
		Strobe sync all pixels 1Hz → 10Hz	200	250	78.4	98.0		Fade
		Open	251	255	98.4	100		Snap
3	Control / Settings	<i>No function</i>	0	11	0	4.2	0	Snap
		No signal: Blackout (3s hold)	12	15	4.7	5.9		
		No signal: Hold (3s hold)	16	19	6.3	7.5		
		No signal: Manual Control (3s hold)	20	23	7.8	9.0		
		<i>No function</i>	24	39	9.4	15.3		
		Mic sensitivity: 10 (high, 1s hold)	40	43	15.7	16.9		
		Mic sensitivity: 09 (1s hold)	44	47	17.3	18.4		
		Mic sensitivity: 08 (1s hold)	48	51	18.8	20.0		
		Mic sensitivity: 07 (1s hold)	52	55	20.4	21.6		
		Mic sensitivity: 06 (1s hold)	56	59	22.0	23.1		
		Mic sensitivity: 05 (1s hold)	60	63	23.5	24.7		
		Mic sensitivity: 04 (1s hold)	64	67	25.1	26.3		
		Mic sensitivity: 03 (1s hold)	68	71	26.7	27.8		
		Mic sensitivity: 02 (1s hold)	72	75	28.2	29.4		
		Mic sensitivity: 01 (low, 1s hold)	76	91	29.8	35.7		
		Emergency light OFF (3s hold)	92	95	36.1	37.3		
		Emergency light ON (3s hold)	96	99	37.6	38.8		
		Emergency light Capture RGB values (3s hold)	100	103	39.2	40.4		
		<i>No function</i>	104	223	40.8	87.5		
		Power mode High (3s hold)	224	227	87.8	89.0		
		Power mode: Normal (3s hold)	228	231	89.4	90.6		
		Power mode: Eco (3s hold)	232	235	91.0	92.2		
		<i>No function</i>	236	239	92.5	93.7		
Load default settings (5s hold)	240	243	94.1	95.3				
<i>No function</i>	244	255	95.7	100.0				

4	Color wheel	00 - Open	0	3	0.0	1.2	0	Snap
		01 - Red	4	7	1.6	2.7		
		02 - Green	8	11	3.1	4.3		
		03 - Blue	12	15	4.7	5.9		
		04 - Cyan	16	19	6.3	7.5		
		05 - Magenta	20	23	7.8	9.0		
		06 - Yellow	24	27	9.4	10.6		
		07 - Orange	28	31	11.0	12.2		
		08 - Deep Orange	32	35	12.5	13.7		
		09 - Pink	36	39	14.1	15.3		
		10 - Deep Purple	40	43	15.7	16.9		
		11 - Light Blue	44	47	17.3	18.4		
		12 - Deep Amber	48	51	18.8	20.0		
		13 - Light Amber	52	55	20.4	21.6		
		14 - Deep Golden Amber	56	59	22.0	23.1		
		15 - Straw	60	63	23.5	24.7		
		16 - Sunset red	64	67	25.1	26.3		
		17 - Light Pink	68	71	26.7	27.8		
		18 - Light Lavender	72	75	28.2	29.4		
		19 - Lavender	76	79	29.8	31.0		
		20 - Lime Green	80	83	31.4	32.5		
		21 - Apricot	84	87	32.9	34.1		
		22 - Pale Salmon	88	91	34.5	35.7		
		23 - Dark Salmon	92	95	36.1	37.3		
		24 - Light Salmon	96	99	37.6	38.8		
		25 - White 10.000K	100	103	39.2	40.4		
		26 - White 8.000K	104	107	40.8	42.0		
		27 - White 6.000K	108	111	42.4	43.5		
		28 - White 4.200K	112	115	43.9	45.1		
		29 - White 3.200K	116	119	45.5	46.7		
		30 - White 2.700K	120	123	47.1	48.2		
		No function	124	125	48.6	49.0		
		Color wheel snap stop	126	129	49.4	50.6		
Color wheel snap slow ... fast	130	175	51.0	68.6				
Color wheel snap music trigger (1:1 / every trigger)	176	179	69.0	70.2				
Color wheel snap music trigger (1:4 / every 4th trigger)	180	183	70.6	71.8				
Color wheel snap music trigger (1:8 / every 8th trigger)	184	187	72.2	73.3				
Color wheel snap music trigger (1:16 / every 16th trigger)	188	191	73.7	74.9				
Color wheel fade stop	192	195	75.3	76.5				
Color wheel fade slow ... fast	196	239	76.9	93.7				
Color wheel fade music trigger (1:1 / every trigger)	240	243	94.1	95.3				
Color wheel fade music trigger (1:4 / every 4th trigger)	244	247	95.7	96.9				
Color wheel fade music trigger (1:8 / every 8th trigger)	248	251	97.3	98.4				
Color wheel fade music trigger (1:16 / every 16th trigger)	252	255	98.8	100.0				
5	Red	Red intensity 0→100%	0	255	0	100	0	Fade
6	Green	Green intensity 0→100%	0	255	0	100	0	Fade
7	Blue	Blue intensity 0→100%	0	255	0	100	0	Fade

DMX Mode 2: Pattern (default mode)

15 DMX Channels

Channel	Command	DMX range		Percent		Default DMX	Fade	
1	Global intensity	Global intensity 0→100%	0	255	0	100	0	Fade
2	Global shutter	Shutter closed	0	4	0	1.6	255	Snap
		Music trigger flash	5	9	2.0	3.5		Snap
		Random pulse slow → fast	10	39	3.9	15.3		Fade
		Random opening pulse slow → fast	40	69	15.7	27.1		Fade
		Random closing pulse slow → fast	70	99	27.5	38.8		Fade
		Random double flash slow → fast	100	129	39.2	50.6		Fade
		Random pixel strobe slow → fast	130	159	51.0	62.4		Fade
		Random all strobe slow → fast	160	199	62.7	78.0		Fade
		Strobe sync all pixels 1Hz → 10Hz	200	250	78.4	98.0		Fade
		Open	251	255	98.4	100		Snap
3	Control / Settings	<i>No function</i>	0	11	0	4.2	0	Snap
		No signal: Blackout (3s hold)	12	15	4.7	5.9		
		No signal: Hold (3s hold)	16	19	6.3	7.5		
		No signal: Manual Control (3s hold)	20	23	7.8	9.0		
		<i>No function</i>	24	39	9.4	15.3		
		Mic sensitivity: 10 (high, 1s hold)	40	43	15.7	16.9		
		Mic sensitivity: 09 (1s hold)	44	47	17.3	18.4		
		Mic sensitivity: 08 (1s hold)	48	51	18.8	20.0		
		Mic sensitivity: 07 (1s hold)	52	55	20.4	21.6		
		Mic sensitivity: 06 (1s hold)	56	59	22.0	23.1		
		Mic sensitivity: 05 (1s hold)	60	63	23.5	24.7		
		Mic sensitivity: 04 (1s hold)	64	67	25.1	26.3		
		Mic sensitivity: 03 (1s hold)	68	71	26.7	27.8		
		Mic sensitivity: 02 (1s hold)	72	75	28.2	29.4		
		Mic sensitivity: 01 (low, 1s hold)	76	91	29.8	35.7		
		Emergency light OFF (3s hold)	92	95	36.1	37.3		
		Emergency light ON (3s hold)	96	99	37.6	38.8		
		Emergency light Capture RGB values (3s hold)	100	103	39.2	40.4		
		<i>No function</i>	104	223	40.8	87.5		
		Power mode High (3s hold)	224	227	87.8	89.0		
		Power mode: Normal (3s hold)	228	231	89.4	90.6		
		Power mode: Eco (3s hold)	232	235	91.0	92.2		
		<i>No function</i>	236	239	92.5	93.7		
Load default settings (5s hold)	240	243	94.1	95.3				
<i>No function</i>	244	255	95.7	100.0				

4	Color wheel	00 - Open	0	3	0.0	1.2	0	Snap
		01 - Red	4	7	1.6	2.7		
		02 - Green	8	11	3.1	4.3		
		03 - Blue	12	15	4.7	5.9		
		04 - Cyan	16	19	6.3	7.5		
		05 - Magenta	20	23	7.8	9.0		
		06 - Yellow	24	27	9.4	10.6		
		07 - Orange	28	31	11.0	12.2		
		08 - Deep Orange	32	35	12.5	13.7		
		09 - Pink	36	39	14.1	15.3		
		10 - Deep Purple	40	43	15.7	16.9		
		11 - Light Blue	44	47	17.3	18.4		
		12 - Deep Amber	48	51	18.8	20.0		
		13 - Light Amber	52	55	20.4	21.6		
		14 - Deep Golden Amber	56	59	22.0	23.1		
		15 - Straw	60	63	23.5	24.7		
		16 - Sunset red	64	67	25.1	26.3		
		17 - Light Pink	68	71	26.7	27.8		
		18 - Light Lavender	72	75	28.2	29.4		
		19 - Lavender	76	79	29.8	31.0		
		20 - Lime Green	80	83	31.4	32.5		
		21 - Apricot	84	87	32.9	34.1		
		22 - Pale Salmon	88	91	34.5	35.7		
		23 - Dark Salmon	92	95	36.1	37.3		
		24 - Light Salmon	96	99	37.6	38.8		
		25 - White 10.000K	100	103	39.2	40.4		
		26 - White 8.000K	104	107	40.8	42.0		
		27 - White 6.000K	108	111	42.4	43.5		
		28 - White 4.200K	112	115	43.9	45.1		
		29 - White 3.200K	116	119	45.5	46.7		
		30 - White 2.700K	120	123	47.1	48.2		
		No function	124	125	48.6	49.0		
		Color wheel rotation snap stop	126	129	49.4	50.6		
Color wheel rotation snap slow → fast	130	175	51.0	68.6				
Color wheel rotation snap music trigger (1:1 / every trigger)	176	179	69.0	70.2				
Color wheel rotation snap music trigger (1:4 / every 4th trigger)	180	183	70.6	71.8				
Color wheel rotation snap music trigger (1:8 / every 8th trigger)	184	187	72.2	73.3				
Color wheel rotation snap music trigger (1:16 / every 16th trigger)	188	191	73.7	74.9				
Color wheel rotation fade stop	192	195	75.3	76.5				
Color wheel rotation fade slow → fast	196	239	76.9	93.7				
Color wheel rotation fade music trigger (1:1 / every trigger)	240	243	94.1	95.3				
Color wheel rotation fade music trigger (1:4 / every 4th trigger)	244	247	95.7	96.9				
Color wheel rotation fade music trigger (1:8 / every 8th trigger)	248	251	97.3	98.4				
Color wheel rotation fade music trigger (1:16 / every 16th trigger)	252	255	98.8	100.0				
5	Red	Red intensity 0→100%	0	255	0	100	0	Fade
6	Green	Green intensity 0→100%	0	255	0	100	0	Fade
7	Blue	Blue intensity 0→100%	0	255	0	100	0	Fade

8	Pattern master	Pattern visibility	0	255	0	100	0	Fade
9	Pattern shutter	Shutter closed	0	4	0	1.6	255	Snap
		Music trigger flash	5	9	2.0	3.5		Snap
		Random pulse slow → fast	10	39	3.9	15.3		Fade
		Random opening pulse slow → fast	40	69	15.7	27.1		Fade
		Random closing pulse slow → fast	70	99	27.5	38.8		Fade
		Random double flash slow → fast	100	129	39.2	50.6		Fade
		Random pixel strobe slow → fast	130	159	51.0	62.4		Fade
		Random all strobe slow → fast	160	199	62.7	78.0		Fade
		Strobe sync all pixels 1Hz → 10Hz	200	250	78.4	98.0		Fade
		Open	251	255	98.4	100		Snap
10	Pattern selection	Pattern 000 (No Pattern)	0	10	0.0	3.9	Snap	0
		Pattern 001	11	15	4.3	5.9		
		Pattern 002	16	20	6.3	7.8		
		Pattern 003	21	25	8.2	9.8		
		Pattern 004	26	30	10.2	11.8		
		Pattern 005	31	35	12.2	13.7		
		Pattern 006	36	40	14.1	15.7		
		Pattern 007	41	45	16.1	17.6		
		Pattern 008	46	50	18.0	19.6		
		Pattern 009	51	55	20.0	21.6		
		Pattern 010	56	60	22.0	23.5		
		Pattern 011	61	65	23.9	25.5		
		Pattern 012	66	70	25.9	27.5		
		Pattern 013	71	75	27.8	29.4		
		Pattern 014	76	80	29.8	31.4		
		Pattern 015	81	85	31.8	33.3		
		Pattern 016	86	90	33.7	35.3		
		Pattern 017	91	95	35.7	37.3		
		Pattern 018	96	100	37.6	39.2		
		Pattern 019	101	105	39.6	41.2		
		Pattern 020	106	110	41.6	43.1		
		Pattern 021	111	115	43.5	45.1		
		Pattern 022	116	120	45.5	47.1		
		Pattern 023	121	125	47.5	49.0		
		Pattern 024	126	130	49.4	51.0		
		Pattern 025	131	135	51.4	52.9		
		Pattern 026	136	140	53.3	54.9		
		Pattern 027	141	145	55.3	56.9		
		Pattern 028	146	150	57.3	58.8		
		Pattern 029	151	155	59.2	60.8		
		Pattern 030	156	160	61.2	62.7		
		Pattern 031	161	165	63.1	64.7		
		Pattern 032	166	170	65.1	66.7		
		Pattern 033	171	175	67.1	68.6		
		Pattern 034	176	180	69.0	70.6		
		Pattern 035	181	185	71.0	72.5		
		Pattern 036	186	190	72.9	74.5		
		Pattern 037	191	195	74.9	76.5		
		Pattern 038	196	200	76.9	78.4		
		Pattern 039	201	205	78.8	80.4		
		Pattern 040	206	210	80.8	82.4		

10	Pattern selection (contd.)	Random pattern auto change stop	211	212	82.7	83.1	Snap	0
		Random pattern auto change slow → fast	213	247	83.5	96.9	Fade	
		Random pattern music trigger change (1:8 / every 8th beat)	248	249	97.3	97.6	Snap	
		Random pattern music trigger change (1:16 / every 16th beat)	250	251	98.0	98.4		
		Random pattern music trigger change (1:32 / every 32nd beat)	252	253	98.8	99.2		
		Random pattern music trigger change (1:64 / every 64th beat)	254	255	99.6	100.0		
11	Pattern step/speed	Pattern step 01	0	1	0.0	0.4	Snap	0
		Pattern step 02	2	3	0.8	1.2		
		Pattern step 03	4	5	1.6	2.0		
		Pattern step 04	6	7	2.4	2.7		
		Pattern step 05	8	9	3.1	3.5		
		Pattern step 06	10	11	3.9	4.3		
		Pattern step 07	12	13	4.7	5.1		
		Pattern step 08	14	15	5.5	5.9		
		Pattern step 09	16	17	6.3	6.7		
		Pattern step 10	18	19	7.1	7.5		
		Pattern step 11	20	21	7.8	8.2		
		Pattern step 12	22	23	8.6	9.0		
		Pattern step 13	24	25	9.4	9.8		
		Pattern step 14	26	27	10.2	10.6		
		Pattern step 15	28	29	11.0	11.4		
		Pattern step 16	30	31	11.8	12.2		
		Pattern step 17	32	33	12.5	12.9		
		Pattern step 18	34	35	13.3	13.7		
		Pattern step 19	36	37	14.1	14.5		
		Pattern step 20	38	39	14.9	15.3		
		Pattern step 21	40	41	15.7	16.1		
		Pattern step 22	42	43	16.5	16.9		
		Pattern step 23	44	45	17.3	17.6		
		Pattern step 24	46	47	18.0	18.4		
		Pattern step 25	48	49	18.8	19.2		
		Pattern step 26	50	51	19.6	20.0		
		Pattern step 27	52	53	20.4	20.8		
		Pattern step 28	54	55	21.2	21.6		
		Pattern step 29	56	57	22.0	22.4		
		Pattern step 30	58	59	22.7	23.1		
		Pattern step 31	60	61	23.5	23.9		
		Pattern step 32	62	63	24.3	24.7		
		Pattern step 33	64	65	25.1	25.5		
		Pattern step 34	66	67	25.9	26.3		
		Pattern step 35	68	69	26.7	27.1		
		Pattern step 36	70	71	27.5	27.8		
		Pattern step 37	72	73	28.2	28.6		
		Pattern step 38	74	75	29.0	29.4		
		Pattern step 39	76	77	29.8	30.2		
		Pattern step 40	78	79	30.6	31.0		

11	Pattern step/speed (contd.)	Pattern step 41	80	81	31.4	31.8	Snap	0
		Pattern step 42	82	83	32.2	32.5		
		Pattern step 43	84	85	32.9	33.3		
		Pattern step 44	86	87	33.7	34.1		
		Pattern step 45	88	89	34.5	34.9		
		Pattern step 46	90	91	35.3	35.7		
		Pattern step 47	92	93	36.1	36.5		
		Pattern step 48	94	95	36.9	37.3		
		No function	96	124	37.6	48.6		
		Pattern step music trigger (1:1 / step changes every trigger)	125	127	49.0	49.8		
		CW pattern movement fast → slow	128	190	50.2	74.5		
		Pattern movement stop	191	192	74.9	75.3		
		CCW pattern movement slow → fast	193	255	75.7	100.0		
		12	Pattern color wheel	00 - Open	0	3	0.0	1.2
01 - Red	4			7	1.6	2.7		
02 - Green	8			11	3.1	4.3		
03 - Blue	12			15	4.7	5.9		
04 - Cyan	16			19	6.3	7.5		
05 - Magenta	20			23	7.8	9.0		
06 - Yellow	24			27	9.4	10.6		
07 - Orange	28			31	11.0	12.2		
08 - Deep Orange	32			35	12.5	13.7		
09 - Pink	36			39	14.1	15.3		
10 - Deep Purple	40			43	15.7	16.9		
11 - Light Blue	44			47	17.3	18.4		
12 - Deep Amber	48			51	18.8	20.0		
13 - Light Amber	52			55	20.4	21.6		
14 - Deep Golden Amber	56			59	22.0	23.1		
15 - Straw	60			63	23.5	24.7		
16 - Sunset red	64			67	25.1	26.3		
17 - Light Pink	68			71	26.7	27.8		
18 - Light Lavender	72			75	28.2	29.4		
19 - Lavender	76			79	29.8	31.0		
20 - Lime Green	80			83	31.4	32.5		
21 - Apricot	84			87	32.9	34.1		
22 - Pale Salmon	88			91	34.5	35.7		
23 - Dark Salmon	92			95	36.1	37.3		
24 - Light Salmon	96			99	37.6	38.8		
25 - White 10 000 K	100			103	39.2	40.4		
26 - White 8000 K	104			107	40.8	42.0		
27 - White 6000 K	108			111	42.4	43.5		
28 - White 4200 K	112			115	43.9	45.1		
29 - White 3200 K	116			119	45.5	46.7		
30 - White 2700 K	120			123	47.1	48.2		
No function	124			125	48.6	49.0		
Color wheel rotation snap stop	126			129	49.4	50.6		
Color wheel rotation snap slow → fast	130	175	51.0	68.6	Fade			

12	Pattern color wheel (contd.)	Color wheel snap music trigger (1:1 / every trigger)	176	179	69.0	70.2		Snap
		Color wheel snap music trigger (1:4 / every 4th trigger)	180	183	70.6	71.8		
		Color wheel snap music trigger (1:8 / every 8th trigger)	184	187	72.2	73.3		
		Color wheel snap music trigger (1:16 / every 16th trigger)	188	191	73.7	74.9		
		Color wheel fade stop	192	195	75.3	76.5		Fade
		Color wheel fade slow → fast	196	239	76.9	93.7		
		Color wheel fade music trigger (1:1 / every trigger)	240	243	94.1	95.3		Snap
		Color wheel fade music trigger (1:4 / every 4th trigger)	244	247	95.7	96.9		
		Color wheel fade music trigger (1:8 / every 8th trigger)	248	251	97.3	98.4		
		Color wheel fade music trigger (1:16 / every 16th trigger)	252	255	98.8	100.0		
13	Pattern Red	Red intensity 0→100%	0	255	0	100	0	Fade
14	Pattern Green	Green intensity 0→100%	0	255	0	100	0	Fade
15	Pattern Blue	Blue intensity 0→100%	0	255	0	100	0	Fade

DMX Mode 3: MultiPix

75 DMX Channels

Channel	Command	DMX range		Percent		Default DMX	Fade	
1	Global intensity	Global intensity 0→100%	0	255	0	100	0	Fade
2	Global shutter	Shutter closed	0	4	0	1.6	255	Snap
		Music trigger flash	5	9	2.0	3.5		Snap
		Random pulse slow → fast	10	39	3.9	15.3		Fade
		Random opening pulse slow → fast	40	69	15.7	27.1		Fade
		Random closing pulse slow → fast	70	99	27.5	38.8		Fade
		Random double flash slow → fast	100	129	39.2	50.6		Fade
		Random pixel strobe slow → fast	130	159	51.0	62.4		Fade
		Random all strobe slow → fast	160	199	62.7	78.0		Fade
		Strobe sync all pixels 1Hz → 10Hz	200	250	78.4	98.0		Fade
		Open	251	255	98.4	100		Snap
3	Control / Settings	<i>No function</i>	0	11	0	4.2	0	Snap
		No signal: Blackout (3s hold)	12	15	4.7	5.9		
		No signal: Hold (3s hold)	16	19	6.3	7.5		
		No signal: Manual Control (3s hold)	20	23	7.8	9.0		
		<i>No function</i>	24	39	9.4	15.3		
		Mic sensitivity: 10 (high, 1s hold)	40	43	15.7	16.9		
		Mic sensitivity: 09 (1s hold)	44	47	17.3	18.4		
		Mic sensitivity: 08 (1s hold)	48	51	18.8	20.0		
		Mic sensitivity: 07 (1s hold)	52	55	20.4	21.6		
		Mic sensitivity: 06 (1s hold)	56	59	22.0	23.1		
		Mic sensitivity: 05 (1s hold)	60	63	23.5	24.7		
		Mic sensitivity: 04 (1s hold)	64	67	25.1	26.3		
		Mic sensitivity: 03 (1s hold)	68	71	26.7	27.8		
		Mic sensitivity: 02 (1s hold)	72	75	28.2	29.4		
		Mic sensitivity: 01 (low, 1s hold)	76	91	29.8	35.7		
		Emergency light OFF (3s hold)	92	95	36.1	37.3		
		Emergency light ON (3s hold)	96	99	37.6	38.8		
		Emergency light Capture RGB values (3s hold)	100	103	39.2	40.4		
		<i>No function</i>	104	223	40.8	87.5		
		Power mode High (3s hold)	224	227	87.8	89.0		
Power mode: Normal (3s hold)	228	231	89.4	90.6				
Power mode: Eco (3s hold)	232	235	91.0	92.2				
<i>No function</i>	236	239	92.5	93.7				
Load default settings (5s hold)	240	243	94.1	95.3				
<i>No function</i>	244	255	95.7	100.0				
4	Pixel 01 Red	Red intensity 0→100%	0	255	0	100	0	Fade
5	Pixel 01 Green	Green intensity 0→100%	0	255	0	100	0	Fade
6	Pixel 01 Blue	Blue intensity 0→100%	0	255	0	100	0	Fade
... Pixels 02 ... 23								
73	Pixel 24 Red	Red intensity 0→100%	0	255	0	100	0	Fade
74	Pixel 24 Green	Green intensity 0→100%	0	255	0	100	0	Fade
75	Pixel 24 Blue	Blue intensity 0→100%	0	255	0	100	0	Fade