Never ending, random light show.

Pretty Lights-W/ TVT V2.0

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, <u>و</u>		ħ	Code	Mnem	Comments	There is probably a simpler way to do this, but I wrote this, and then kept adding to it. So now
Step	Label	Addr	ပိ	Ξ	ပိ	it is just kind of a mess! :)
1 2	Lights	000 001	016 000		Load B	Pattern hold time counter
3		002			Get Switches	Reads front panel switches (requires mods)
4 5	Left	003 004			Load E	Pattern shift left counter
6	Α	004	121		Send to Lamps	Lights!
7		006	041		Dec E	3
8		007	150		Jump if zero	Go right for a while
9 10		010 011	030		go right	
11		012			Rotate Left	Go left
12		013	106		Call Delay	
13		014	055			
14 15		015 016	001 011		Dec B	
16		017	110		Jump not zero	
17		020	005		"A"	
18		021	001			
19 20		022 023			Copy A to B Get switches	Randomize pattern a little
21		023			Add A to B	
22		025	104		Jump	
23		026	005		"A"	
24 25	Right	027			Load E	Pottern shift Dight sounter
26	nigrit	030	046 070		Load E	Pattern shift Right counter
27	В	032			Send to Lamps	Lights!
28		033	041		Dec E	
29		034	150		Jump if zero	Go Left for a while
30 31		035 036	003			
32		037			Rotate Right	
33		040	106		Call Delay	
34 35		041 042	055			
36		042			Dec B	
37		044	110		Jump if zero	
38		045	032			
39 40		046 047			Copy A to B	Randomize again
41		050	105		Get switches	Handoniize again
42		051	211		Add A to B	
43		052			Jump	
44 45		053 054				
46	Delay				Load C	
47	Í	056	006			
48	Loop 3				Load D	2
49 50	Loop 2	060 061	000 031		Dec D	Screen dazzle loads 256 bytes of data stored on page 002, and sends to the Digital Group
51	200p 2	062			Jump not zero Loop 2	TVT. The output start address is randomized
52		063	061		•	somewhat, and provides a shifting video out
53		064	001		Dog C	display. Keep the routines in even if you don't
54 55		065 066	021 110		Dec C Jump not zero Loop 3	have a TVT, it makes for a better light show! If you have a TVT, load page 002 with some
56		067	057			stars, a little text, or whatever, & go!
57	_	070	001	_		-
58 50	Screen dazzle			PI	Compare A with	Evaguation of covers undates 1 Man
59 60			200 043 B	TC	Return if carry set	Frequency of screen updates, Lower=More
50		5		. •	,	

61		074	320	LCA	Load C with A	Save contents of A in C
62		075	056	LHI	Load H with screen page	Page location of screen data
63		076	002			
64		077	360	LLA	Set start location randomly	
65	GETCHAR	100	307	LAM	Load A with data	Get a character from data mem
66		101	123	OUTa	a Send to screen	
67		102	250	XRA	Clear A	
68		103	123	OUTa	a Send to screen	
69		104	060	INL	Increment next get addr	
70		105	302	LAC	Where did we start?	
71		106	276	CPL	Compare with where we are	
72		107	110	JFZ	Jump not done yet GETCHAR	
73		110	100			
74		111	001			
75		112	007	RET	Return	