

# Wiring instructions for DV68T48 For the Technovision LD48

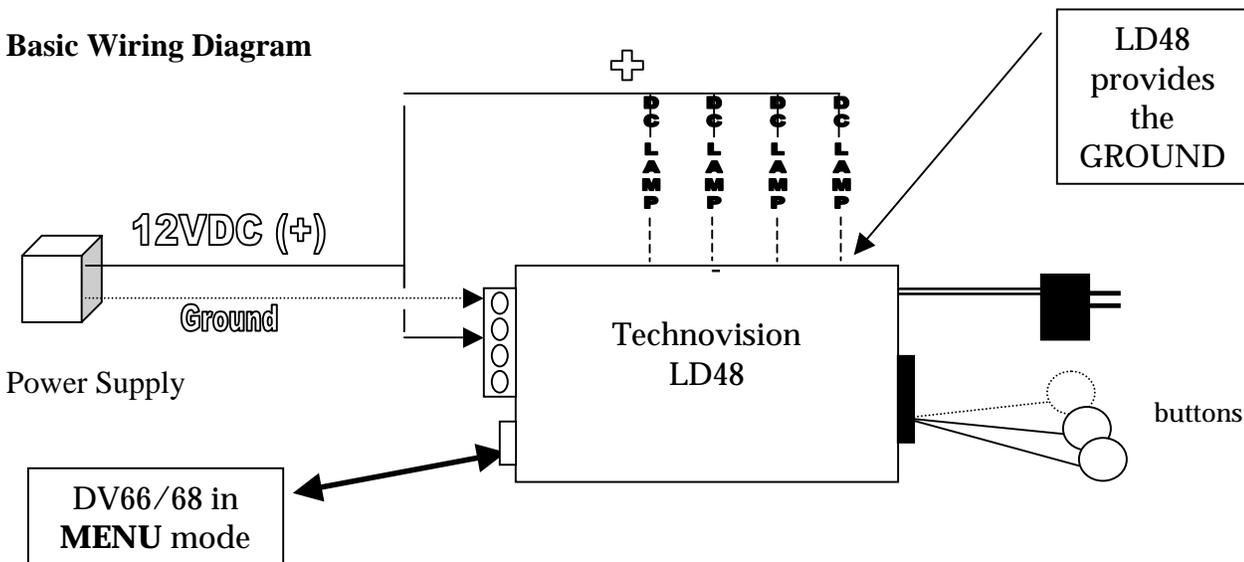
## General Information

The LD48, with the DV68T48 program chip, controls a DV66/68 and is capable of providing up to 48 grounds to DC lamps. When the LD48 powers up, it will then wait for one of the (up to) 48 buttons to be pressed. When a button is pressed, the LD48 will send that track command to the DV66/68, turning on the matching LED for the duration of that track. Another button can not be chosen until the player returns to the MENU file.

The DV66/68 **MUST** be set to MENU mode.

It is recommended that the MENU file (first file on the CF card) must be a .MPG (not a .JPG). If using a DV68 version 1.0J or higher the MENU file can not be a .JPG

## Basic Wiring Diagram



Note 1.

The LD48 board is rated at .5 (½) amps per output to a maximum voltage of 48 volts (DC). VOLTAGE + has to be connected to the controller to provide clamping diode protection and NOT to provide power for the lamps.

## Wiring Instructions when providing grounds to DC lamps

Attach VOLTAGE + from the 12 volt power supply to the + side of all DC lamps and the terminal labeled B1V+ on the 4 position terminal connector. Attach the GROUND from the DC power supply to the terminal labeled GND. Attach the ground from each of the eight lamps to the matching terminal number on the LD48 board (BANK #1).

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**Button Wiring**

PORTA on the PARALLEL port of the LD48 is used for the columns (8-conductor harness), and PORTB (4-conductor harness) is used for the rows on the keypad matrix. The chart below includes the pin number on the PARALLEL port of the LD48 as well as the standard wire colour used in any custom harnesses.

**Optional 14-conductor cable Harness**

	6 RED	18 BLUE	5 YELLOW	17 ORANGE	4 GREEN	16 BLACK	3 BROWN	15 WHITE
10 RED	1	2	3	4	5	6	7	8
22 BLUE	9	10	11	12	13	14	15	16
9 YELLOW	17	18	19	(20)	21	22	23	24
21 ORANGE	25	26	27	28	29	30	31	32
8 GREEN	33	34	35	36	37	38	39	40
20 BLACK	41	42	43	44	45	46	47	48

For example: For Track 20 you would connect the **ORANGE** cable (pin 17 on the PARALLEL port) on the 8-conductor harness with the **YELLOW** wire (pin 9 on the PARALLEL port) on the 6-conductor harness. These wires should be connected to the C (common) and NO (normally open) connector on the button.