



## ColorDMD LED Display Installation Instructions for **SPIKE - CHROMA**

Congratulations on the purchase of a new ColorDMD display. The ColorDMD will enhance your pinball machine by introducing *color* to the dot matrix display graphics produced by the game.

Tools / Parts Required:

- 5/16" Nut Driver
- Clear DMD Shield



Be sure to turn **OFF** the power to the pinball machine before installing the ColorDMD LED display.

STEP **1**

Disconnect the DMD Power and Ribbon Cables from the DMD. Completely disconnect the DMD Power Cable from the game by unplugging the other end in the backbox.



**WARNING. Electric Shock Hazard** - To protect against accidental electric shock, **DO NOT** operate the game without ensuring that the ColorDMD metal bracket is electrically grounded through contact with the metal speaker panel.

STEP **2**

Remove the original DMD assembly from the game and store it in a safe place. Also remove the red plastic DMD lens and install the new ColorDMD Clear DMD Shield.

STEP **3**

**Using the original DMD mounting hardware**, install the ColorDMD LED with UP Arrow facing top edge of speaker panel (see Fig. A). *Note: If present, re-attach original ground cables to ColorDMD LED bracket at bare metal mounting screw holes located at the bottom edge.*

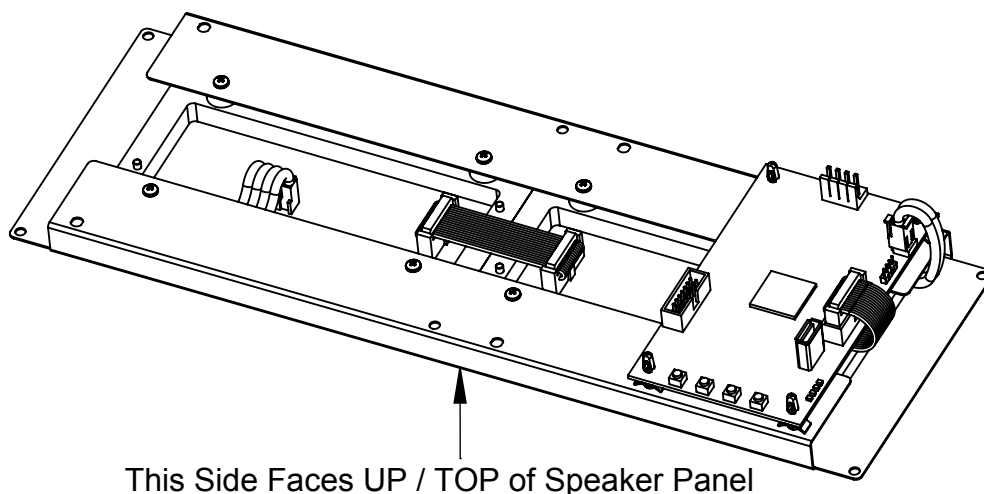


Figure A

STEP **4** Locate the ColorDMD Power Harness in the accessory bag. One end of the included ColorDMD Power Harness has a single connector (see Fig. B). Plug this connector into the PWR header on the ColorDMD circuit board (see Fig. D).

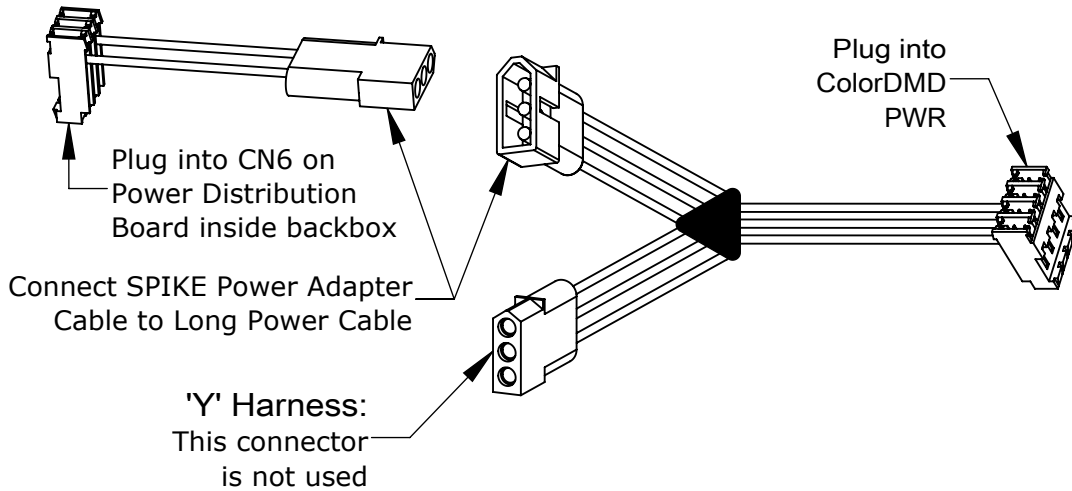


Figure B

STEP **5** Connect the SPIKE Power Adapter Cable to long ColorDMD Power Cable (see Fig. B).

Route excess ColorDMD Power Cable through the access hole in bottom of the backbox and back up to CN6.

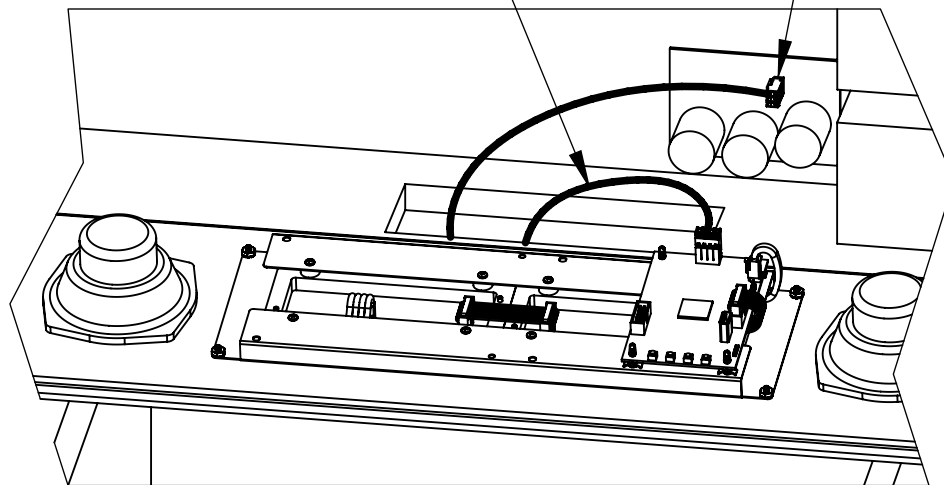


Figure C

STEP **6** Plug the SPIKE Power Adapter Cable into CN6 of the Power Distribution Board located in lower right corner of the backbox (see Fig. C).

STEP **7**

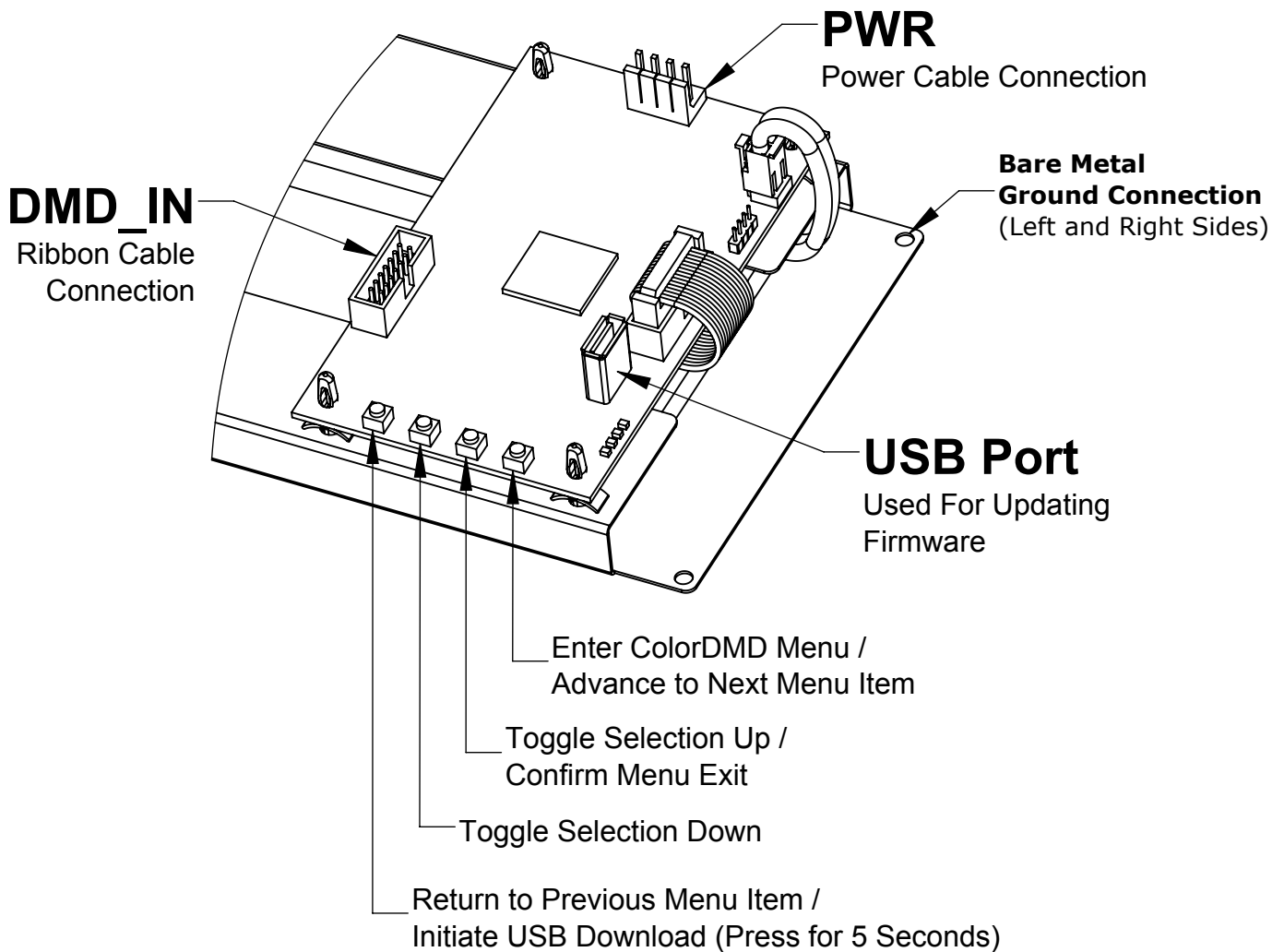
Plug the 14-Pin ribbon cable into DMD\_IN (see Fig. D) on the ColorDMD with the **red stripe nearest the top side** of the speaker panel. The other end of this cable should still be plugged into CN23 on the SPIKE Board with red stripe facing toward the right.



*Double check for proper alignment of **all** cable connections.*

STEP **8**

While ensuring no wires get pinched, raise the speaker panel and turn on the pinball machine.



**Figure D**

STEP **9**

Press the right-most ColorDMD LED push-button to customize the display settings. When finished press the Confirm push-button to "EXIT AND SAVE".

For additional information regarding display settings please visit our website at [www.colordmd.com](http://www.colordmd.com).