ColorDMD LED Display Installation Instructions for **WPC and WPC95**

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 Required: • Phillips Screwdriver
• 5/16" Nut Driver (for WPC games)

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

STEP ① Remove the original DMD from the pinball machine. Disconnect the other end of the DMD High Power cable from J-604 and remove this cable from the game.

⚠ **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.
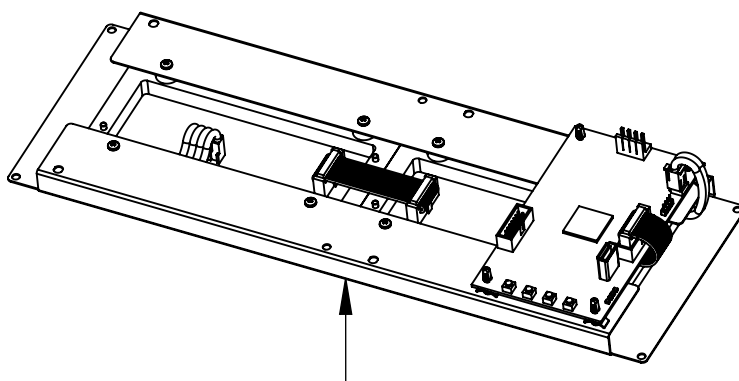
STEP ② Using the original DMD mounting hardware, install the ColorDMD LED with UP Arrow facing top edge of speaker panel (see Fig. A). Note: Reattach original ground cables to ColorDMD LED bracket at bare metal mounting screw holes located at the bottom edge. (One green ground cable is included in the WPC accessory bag)

STEP ③ Locate the included 4-pin ColorDMD LED power cable. One end of the cable has a single connector (see Fig. B). Plug this connector into the PWR header on the ColorDMD LED (see Fig. C).

STEP ④ Plug the other end of the ColorDMD LED Power Cable into **J-116 on WPC games** or **J-138 on WPC95 games**. If an existing cable is currently plugged into J-116 / J-138, disconnect it before connecting ColorDMD LED Power Cable and use the included male-to-male adapter to also re-connect the existing cable to the ColorDMD LED Power Cable (see Fig. B).

This Side Faces UP / TOP of Speaker Panel

Figure A

Optional:
Only use the male-to-male adapter to re-connect a pre-existing cable back into J-116 / J-138

Plug Into Power Driver Board **J-116 / J-138**
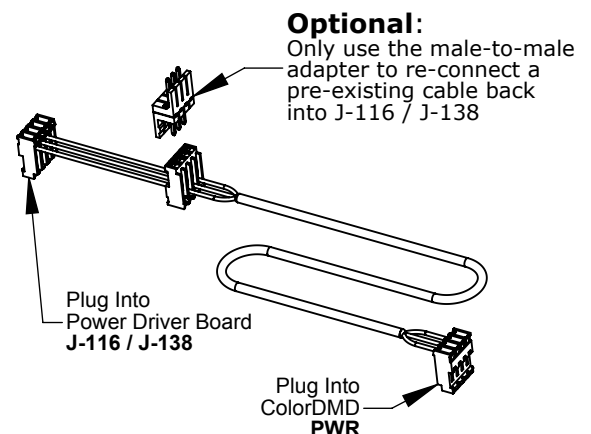
Plug Into ColorDMD **PWR**

Figure B

STEP **5** Plug the 14-pin ribbon cable into DMD_IN on the ColorDMD LED circuit board with the red stripe facing the top. The other end of this cable should still be plugged into J-603 on the A/V board with red stripe on the left-hand side.

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

STEP **6** While ensuring no wires get pinched, raise the speaker panel and turn on the pinball machine.

PWR
Power Cable Connection

Bare Metal Ground Connection (Both Sides)

DMD_IN
Ribbon Cable Connection

USB Port
Used For Updating Firmware

Enter ColorDMD Menu / Advance to Next Menu Item

Toggle Selection Up / Confirm Menu Exit

Toggle Selection Down

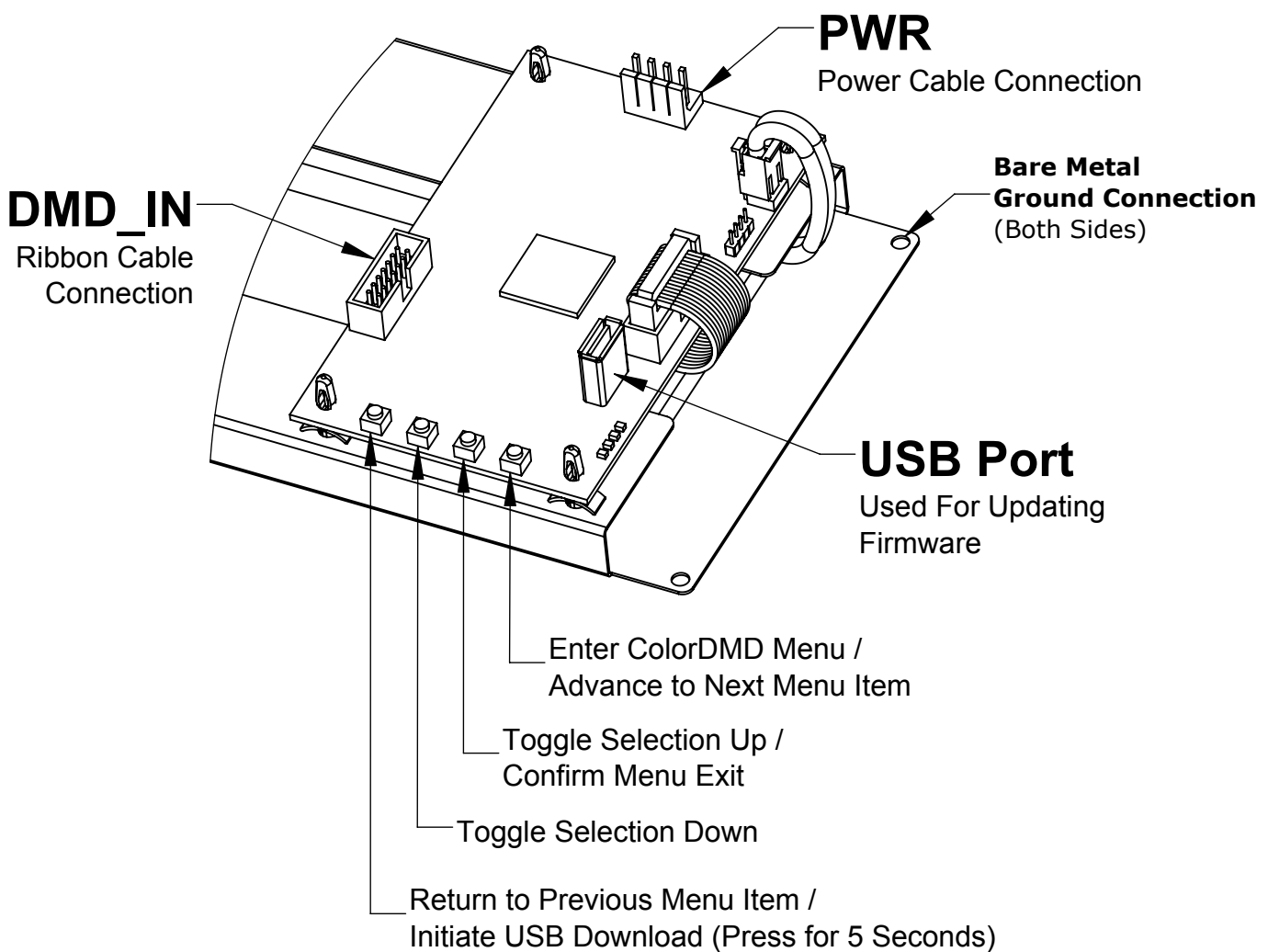Return to Previous Menu Item / Initiate USB Download (Press for 5 Seconds)

Figure C

STEP **7** 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***.