7volution Installation
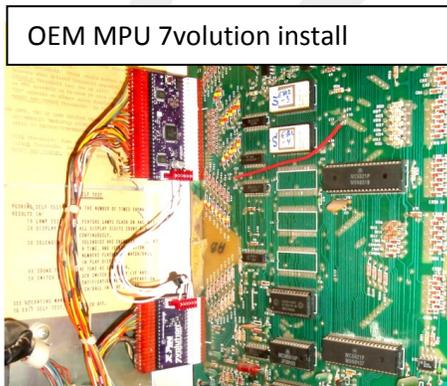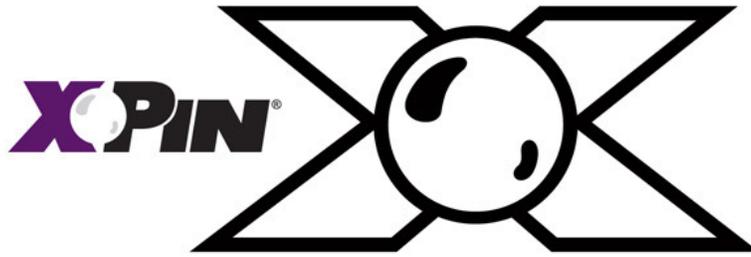
- Installation Time: About 20 minutes
- Tools Required: NONE

1. Unplug the AC power from your pinball machine. Remove game backglass. Unplug all original display boards.
2. Assembly all provided displays boards as indicated on their packaging labels and install into the game. Plug each display into the display harness as it was with the original display.
3. Unplug connections J1 and J4 from the MPU board in the backbox.

   NOTE: 7volution has been tested in all versions of the OEM MPU and Alltek Ultimate MPU's with version 7, 8, and 9 FW. Not all Bally/Stern games have been tested. No indication has been seen at this time that 7volution is not compatible with any Classic Bally/Stern game w/ the exception of Six Million Dollar Man.

4. Connect the 7volution boards as indicated in the pictures below. The connections are keyed for proper insertion. Attach the cables as indicated.

OEM MPU 7volution install

Ultimate MPU 7volution install

5. It is recommended that you remove the High Voltage fuse from your power supply, as it is no longer needed.
6. If not already in place, attach the foam Foam Light-Blocks on their respective LED displays.
7. The optional grey vinyl is easily installed at this time
8. PLAY PINBALL! Now try to roll that game!

There is a test button located on the 7volution board attached to connection J1 of the MPU. This button allows certain modes to be accessed.

NOTE: the pushbutton on the 627 only works when you are **NOT** in game play

press the button once LED turns Red you are now in transparent mode (game setup):
> Transparent Mode should be entered whenever changes are made to the game settings or audit screens of the game.

press the button a second time and display test mode will start:
> This mode operates all 7 digits of the displays. The original game operation did not have a 7th digit so test it a separate test mode had to be created.

press the button a third time and the LED will go back to Green (normal game play)

To set the high score on the 627 board from the game

1. you must power the game off
2. power the game on
   > **NOTE**: if you are happy with the high score showing after power-up skip to step 7
3. go in to setup mode on the 627 (press the 627 pushbutton once Red LED comes on)
4. enter game setup on the game
5. set the new score in the game to what you would like
6. exit the game setup mode
7. press and hold the pushbutton on the 627 board till the LED goes off about 2 seconds
8. Green LED comes to indicate new score sent and in normal game mode

All 6-Digit scoring games that utilize the Bally -17, Bally -35, Stern 100, and Stern 200 MPU boards are supported, with the exception of Bally's 6 Million Dollar Man.

IMPORTANT CONSIDERATION: Many Early Bally games had a weak 5V supply by today's standards. It is recommended that all updates to the 5v supply be applied to ensure full functionality.