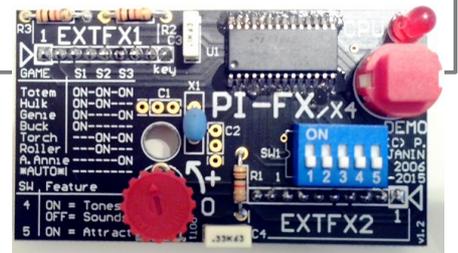


Sound add-on for the PI-1 X4

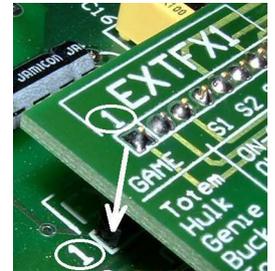
PI-FX/X4 SOUND BOARD SET-UP

1. Switch the pinball **OFF** !!!
2. Remove the 2 *jumper*s to the left of **J17** (*EXTFX2*)
3. Grab the **PI-FX/X4** board by its edges, components upfront, white markings on the proper reading side
4. Locate pin 1 of **J16** (*EXTFX1*) on the upper left corner, which is the insertion guide
5. Plug the **PI-FX/X4** board into **J16** and **J17** of the **PI-1 X4** board simultaneously; the « *key* » facing the rightmost pin of **J16** prevents any mistake



Do **NOT** force! This means that the board is not well aligned with **J16** and **J17**.

Note: If the sound board is installed fine, the displays will briefly show "+ FX" upon game power-up, shortly after the greeting message.



CONFIGURATION

The 5 switches configuration is clearly printed on the sound board itself, as a chart:

- **S1/S2/S3** for the game
- **S4** for *tones* or *sounds* (sound mode)
- **S5** for the *attract* tune



By default, the **PI-FX/X4** board is delivered in « **AUTO** » configuration (DIPSW **S1/S2/S3** = OFF) : the main **PI-1 X4** board configures the **PI-FX/X4** board automatically upon power-up if the game is among this list: **Totem, Hulk, Genie, Buck Rogers, Torch, Roller Disco, Asteroid Annie**. It is always possible to change that game setting manually, even while the game is on, by means of DIPSW **S1/S2/S3**.

Upon power-up, the « **CPU** » LED (to the top right corner) blinks fast as long as the game has not been selected (DIPSW or **PI-1 X4** board). Then it blinks slowly (every second) and stops while a sound is in play. An additional LED, located under the volume knob, lights up to show that the **PI-FX/X4** board is working and the volume can now be set with the knob.

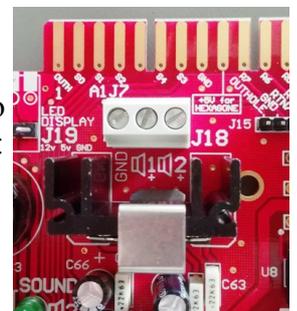
The « **DEMO** » button, as its name shows, plays all game sounds for the selected game, in *tones* or *sounds* mode depending on switch **S4**. If a game is in progress, no scoring sound is played until the demo is over.

Note: The original sound outputs on the **PI-1 X4** board's connector **A3J2** are still managed as usual. Therefore if a sound board is still installed in the cabinet (or chimes), it will continue to perform as before.

CONNECTING THE LOUDSPEAKER

Thank to the audio cable provided with the **PI-1 X4** board, connect the loudspeaker to the **PI-1 X4** screw-clamp connector **J18** between **ground pin 1** and the desired output:

- Pin 2 = to loudspeaker output #1 : 3 tones sounds
- Pin 3 = to loudspeaker output #2 : new advanced sounds from the **PI-FX/X4**



VOLUMES SETTINGS

The potentiometer knob upfront increases the volume anticlockwise. The hole just above it sets the volume of the 3 tones output on the main **PI-1 X4** board below, with a thin flat screwdriver, without removing the **PI-FX/X4** sound board. The volume adjustment direction is the same.