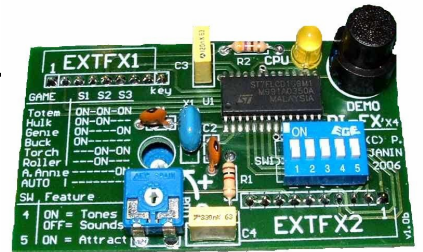


Sound add-on for the PI-1 X4

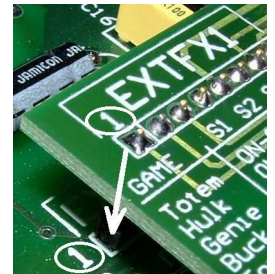


SET UP

1. Switch the pinball off !!!
2. Remove the 2 *jumpers* from **J17** (*EXTFX2*)
3. Grab the 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 board into **J16** and **J17** 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 briefly shows "+ FX" upon game power-up, shortly after the greeting message.



CONFIGURATION

The 5 switches configuration (**S1/S2/S3** for the game, **S4** for *tones* or *sounds*, **S5** for the *attract tune*) is clearly printed on the sound board itself, as a chart.

By default, the sound board is delivered in « **AUTO** » game configuration: on **PI-1 X4** from revision **1.2** up, the main microprocessor configures the sound board automatically upon power-up. It is always possible to change the game setting on the fly, even while the game is on; the change is taken into account immediately, no need to turn the game off then on.

In « **AUTO** » mode, the activity LED blinks fast until the autoconfiguration command is issued by the main microprocessor (for example on **PI-1 X4** boards with an older software revision).

Then, or if a different game than « **AUTO** » is selected, the activity LED blinks slowly (every second) and stops while a sound is in play.

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 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.

CONNECTING THE LOUDSPEAKER

Strip the wires of the audio cable provided with the **PI-1 X4** board, then the loudspeaker(s) should be wired into **PI-1 X4** screw-clamp connector **J1** as follows, depending on the desired sound:

1. Loudspeaker output #1 still plays the 3 tones
2. Loudspeaker output #2 plays the advanced sounds from this **PI-FX/X4** sound board add-on

VOLUMES SETTINGS

The potentiometer upfront increases the volume anticlockwise. Use a small flat screwdriver to adjust it. The hole just above it sets the volume of the 3 tones output on the main **PI-1 X4** board below, without removing the sound board add-on.