

Suncom TAC-2¹ USB



What you will need:

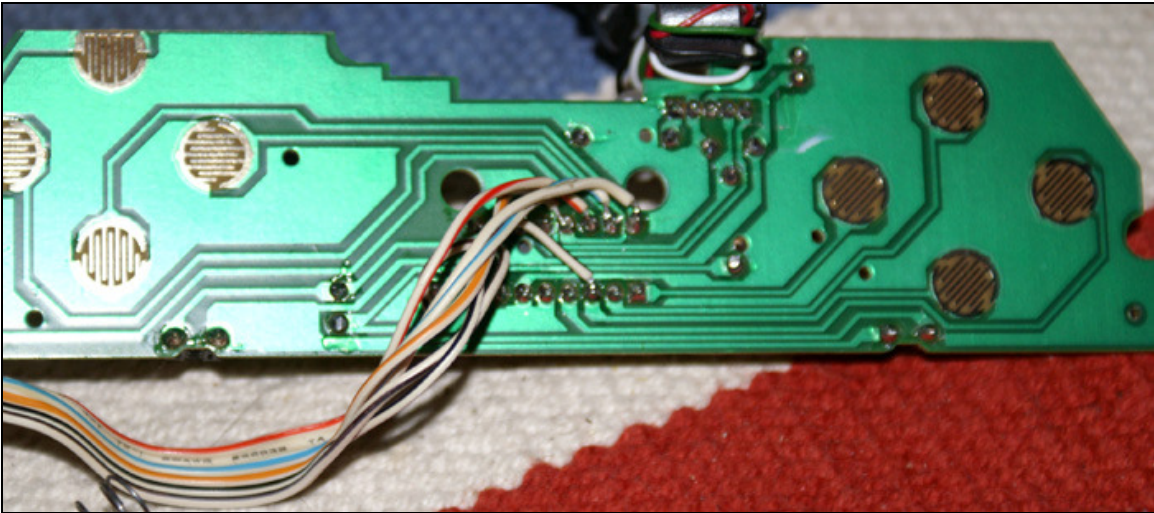
- Suncom TAC-2 (or other favorite digital joystick)
- USB game pad with a circuit board that can be modified to fit in a TAC-2²
- Some wire
- + Tools

1. Disassemble the joystick and the game pad

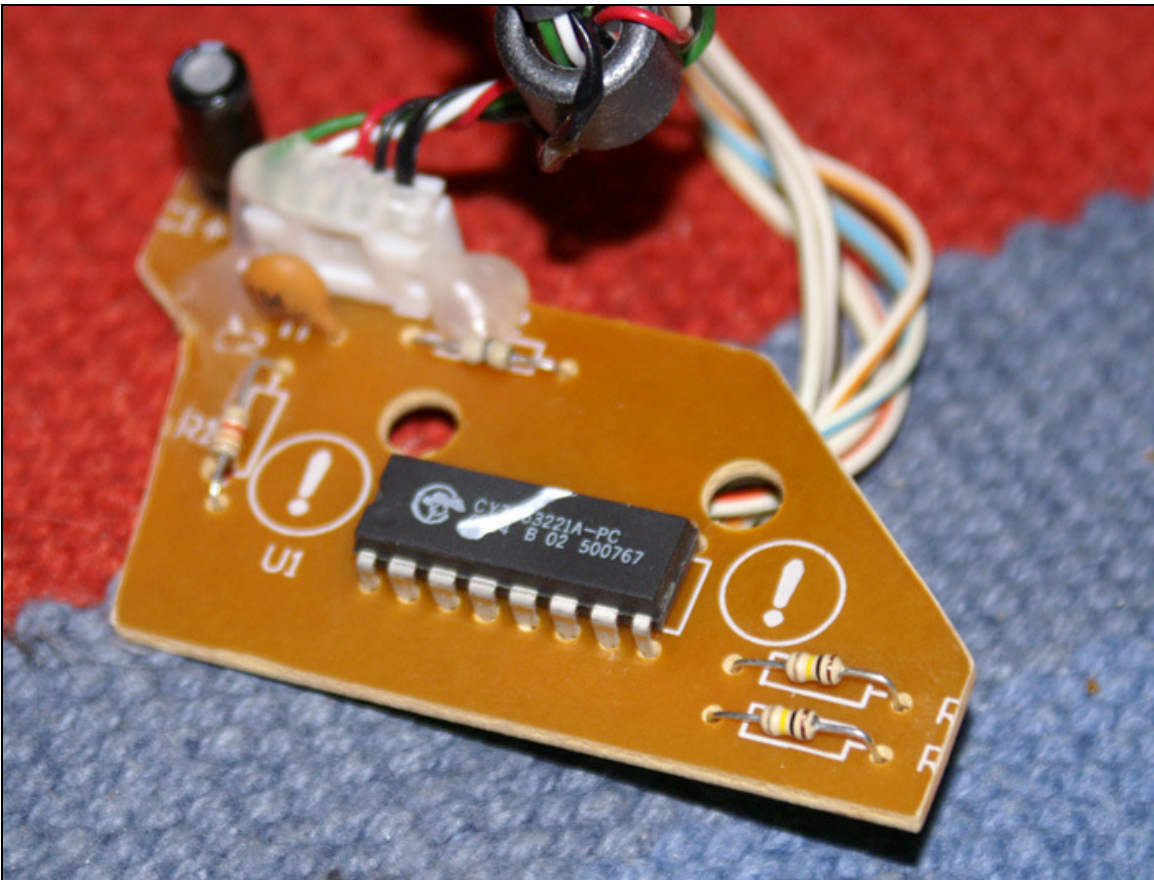
¹ or other favorite digital Commodore / Amiga / Atari joystick

² Personally I used a Logitech Wingman Precision USB that I had lying around.

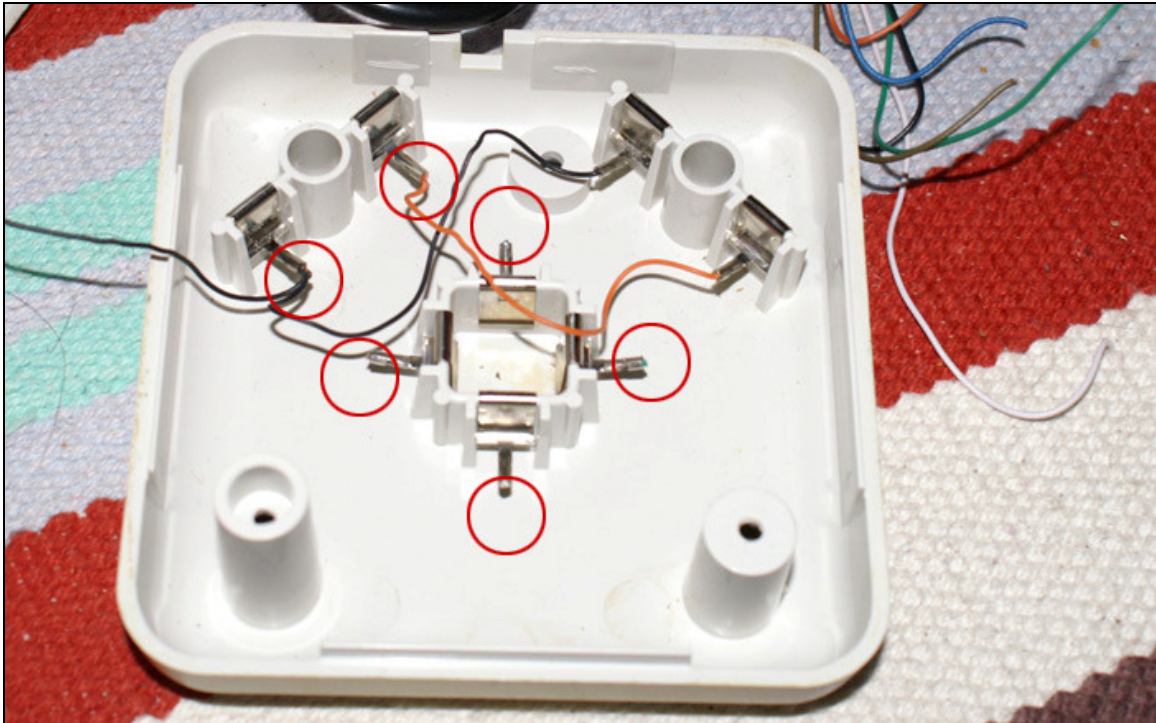
2. Solder wires for UP, DOWN, LEFT, RIGHT, BUTTON1 and GROUND to the circuit board of the game pad and write down which one is which. This can be done to the control chip in the game pad or by exposing the traces as close as possible to the chip. You can follow the traces from the button pads on the circuit board.



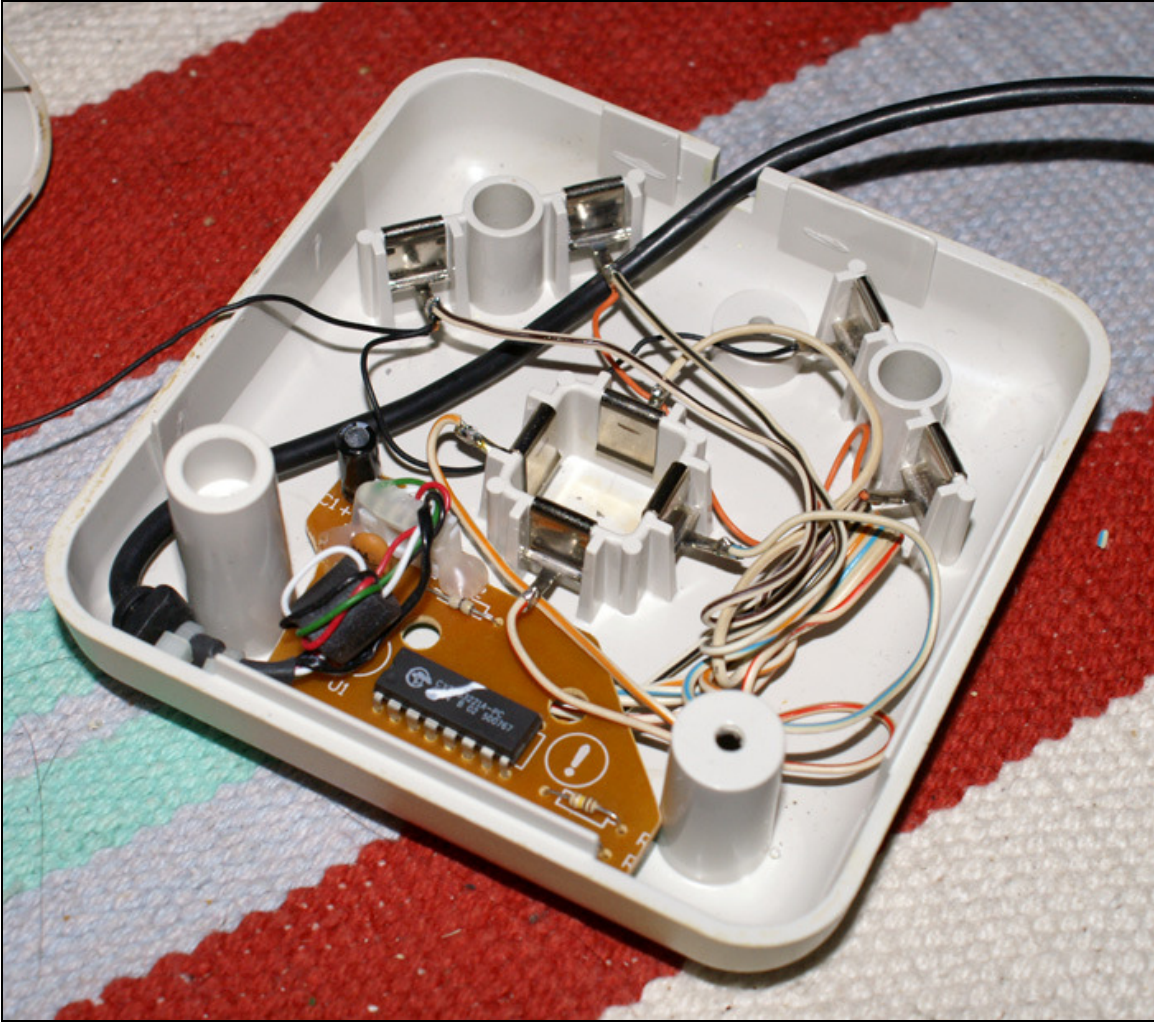
3. Take your Dremel multitool or some fine tooth saw and saw away the button pads, making the circuit board as small as possible WITHOUT removing any electrical components.



5. Cut the six wires from the cable of the TAC-2 as close to the metal plates possible, this way you can use the original cable if you want to undo the mod. Leave the ground wires (black) and the wire, which connects the two buttons, in place.



6. Solder the six wires from step 2 to the correct metal plates (the ones marked with red circles in the image above). Beware that the metal pads for directions are opposite to what they seem, the one to the right is LEFT and the one at the bottom is UP etc.



7. Fit the circuit board as in the picture (or anyway you get it to fit), fasten a zip tie on the cable to prevent it from breaking the connections when pulled by mistake.

