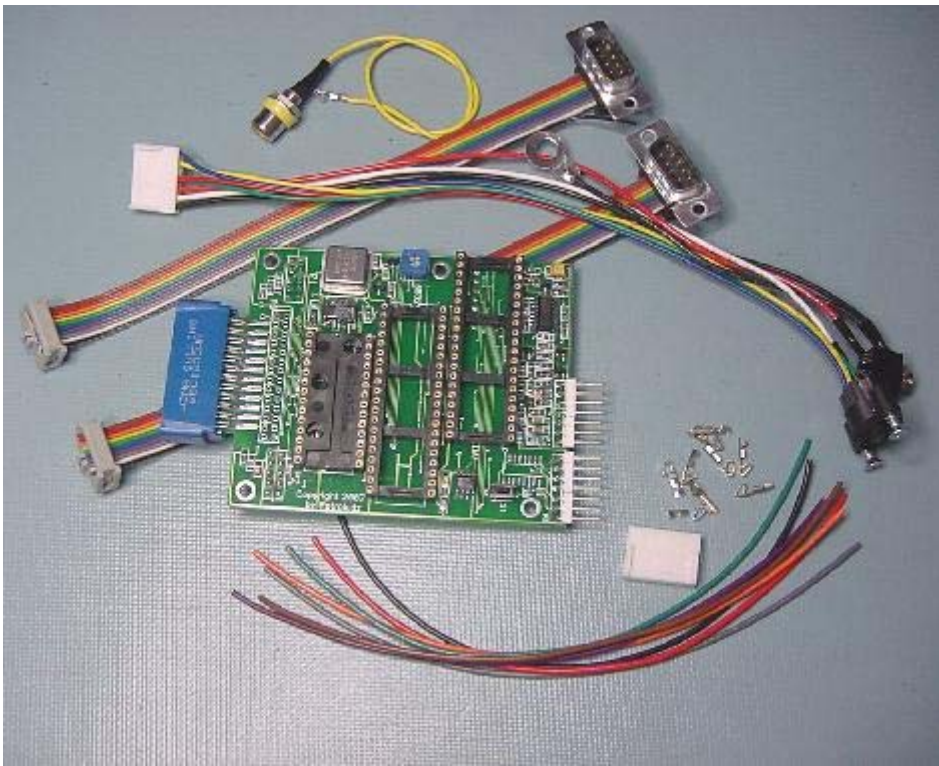


Mini2600 Board Setup & Checkout Guide

The installation kit contains the following items:

1. Mini2600 board
2. A/V cable with Svideo minidin, 3.5mm Sterao Audio Jack & Composite Video RCA Jack
3. Spare 7pin connector shell w/ wires and pins
4. 2ea. DB9 male ribbon cables

SEE PICTURE BELOW FOR REFERENCE



NOTE you will need to provide the following chips

Atari 6507 CPU r/n C010745-xx

Atari 6523 I/O p/n C010750-xx

Atari TIA C010444D-xx

Insert the above listed into the Mini2600 board as shown below.

If you are unsure where they go or have some weird numbering on your chips then please email support@8bitdomain.com.

Don't guess! You could damage the chips and the Mini2600.



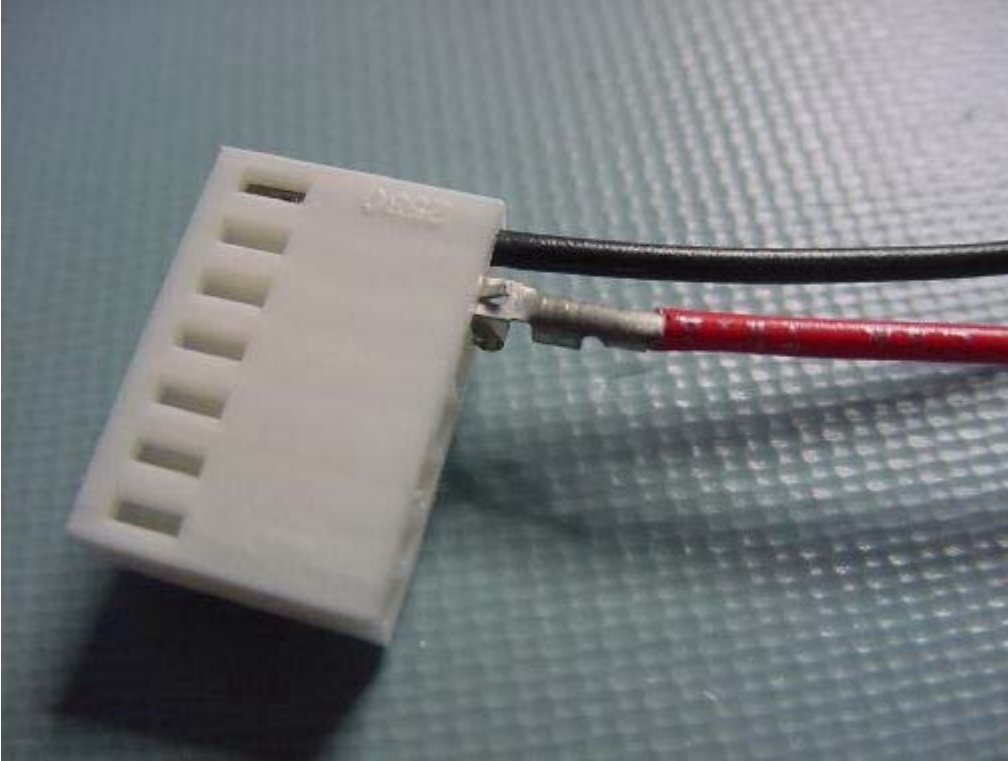
To connect to a TV or monitor you will need the following cables

1. A standard sound cable for a PC. Having a 3.5mm male plug on one end and two RCA plugs on the other (stereo audio).
2. A male-male 4pin minidin cable to connect to your TV or monitor (svideo).
3. A male-male RCA cable to the yellow RCA jack (composite video).

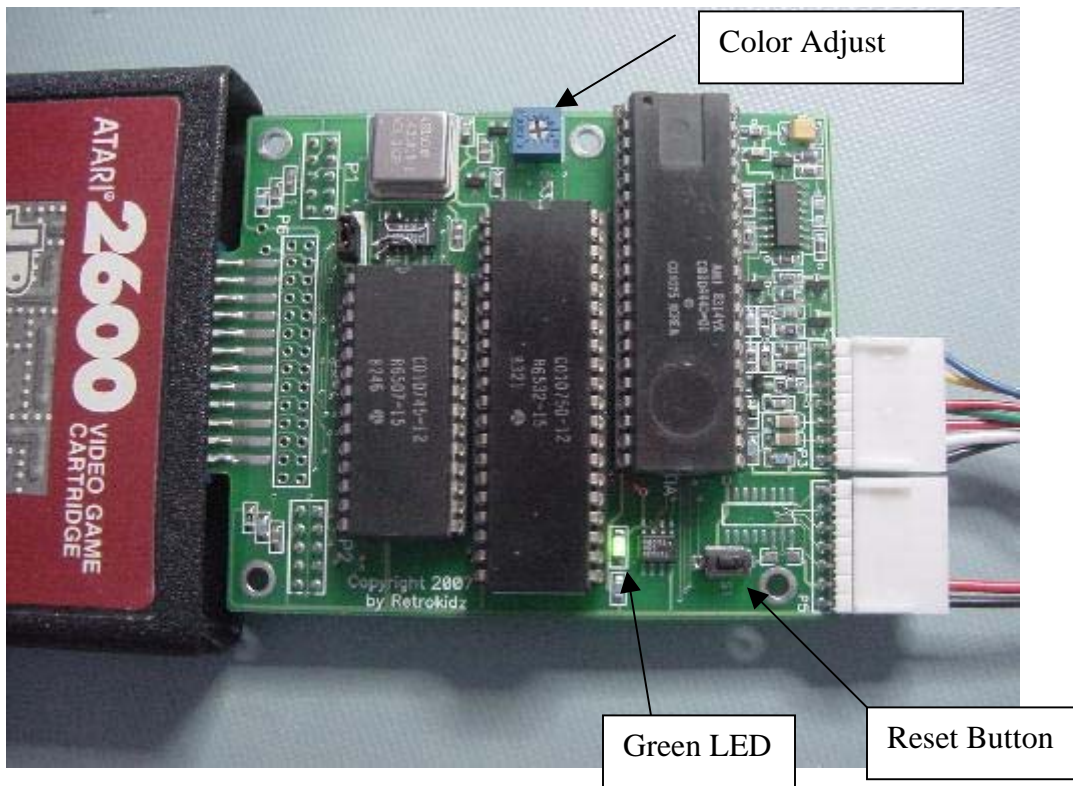
Board Power Up

The Mini2600 board operates on REGULATED 4.9- 5.2Vdc @ approx 275ma. NOT any lower then 4.9v or any higher than 5.2v period. The cartridge you plug in will also require current of at lease 125ma. Depending on the cart, some could draw more current. So 275ma. + 125ma. = 400ma. minimum. It is also a good idea that your power supply is capable of supplying as least TWICE the current required or 800ma. of current. The Mini2600 has no regulator on board OR protection from power reversal. So DO NOT hook up the +5 and GND backwards. Power supply ripple or noise is also a concern, if your power supply does not have much filtering it can cause degradation of the video output at a minimum or erratic game play at the extreme. Of course the cleanest DC power would be from a rechargeable battery.

Insert the RED and BLACK wires as shown into the connector shell as shown below. Make sure that the pin orientation looks EXACTLY like the picture.



Insert a cartridge into the blue socket. Plug the A/V cable and above power cable in. Plug a Svideo cable into the minidin jack from your TV or monitor. Apply +5vdc power to the RED and Ground to BLACK wire, the green led should light up. You should now see the Game displayed on the TV/Monitor. The trimpot on the board has the same color adjust function as on the Atari 2600 motherboard, you can adjust as necessary.

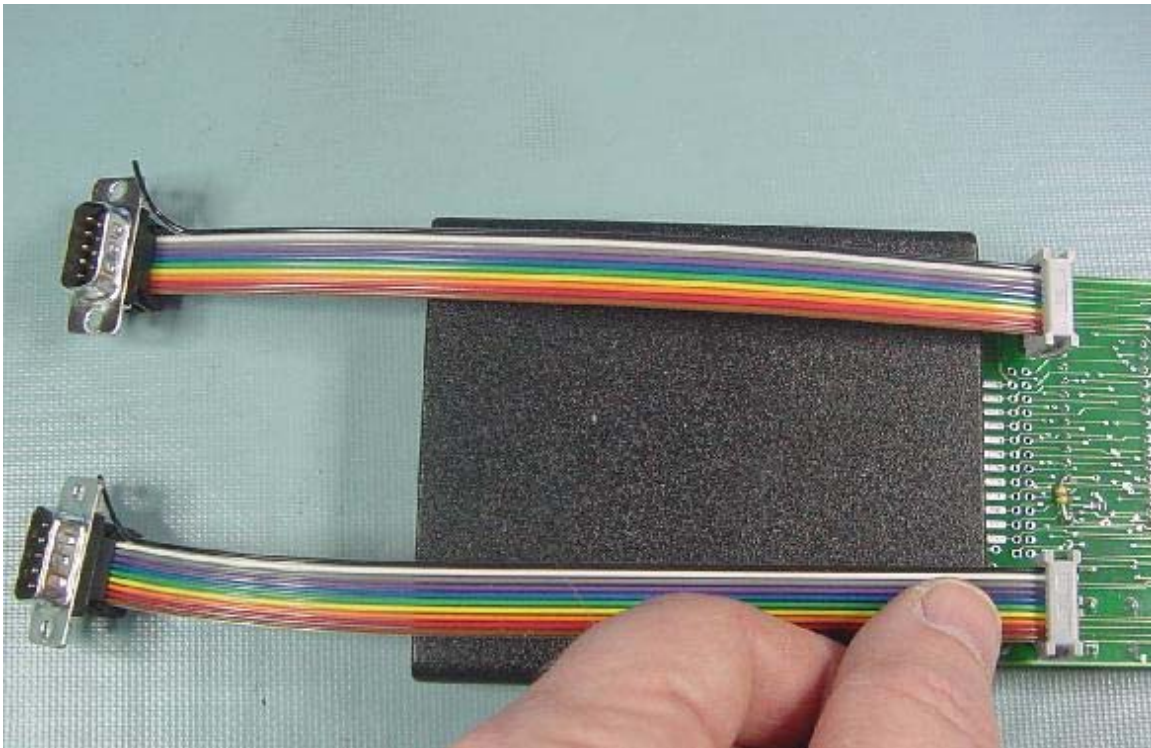


There is also a manual reset button on the board to use as necessary.

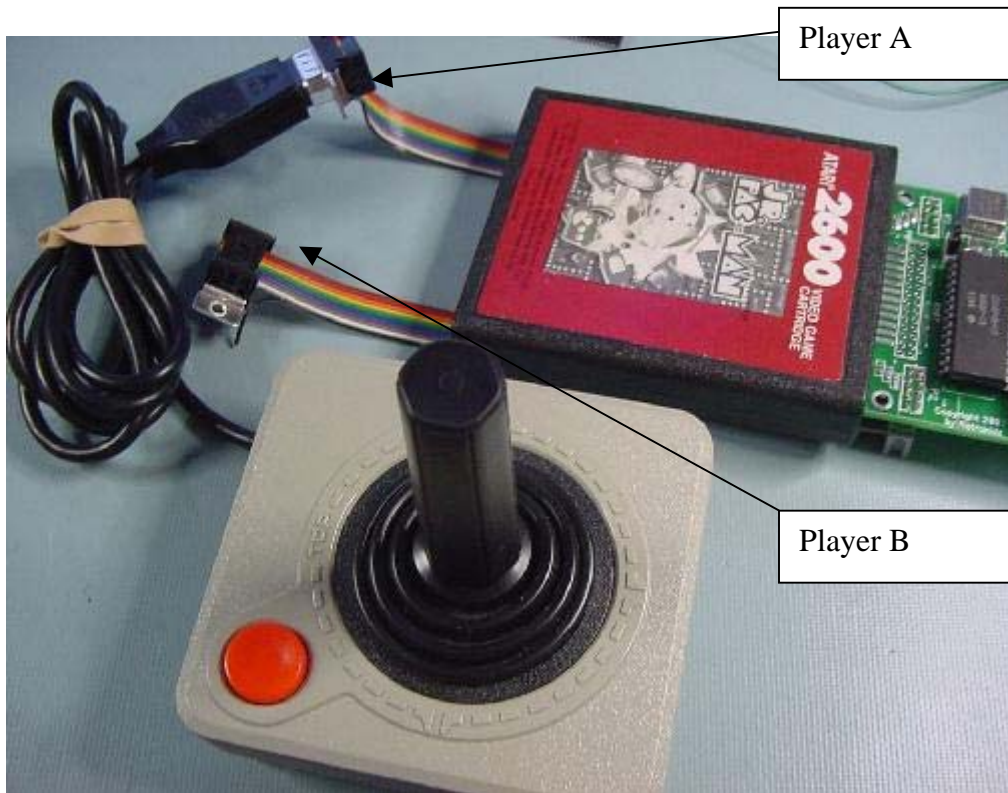
Remove power from board

Joystick Hookup & Checkout

Flip the entire unit over and plug in the ribbon cables as shown below.



Flip back and attach standart 2600 joystick into the player A position.



Re-apply power and test game. Pacman Jr is a good test game for me because Pushing the button on the joystick starts the game rather than using one of the other switches like game select or game reset to start the game.

So you have the RED and BLACK wires inserted into the connector shell in Positions 1 & 2. Below is the definitions/colors to hookup the switches.

1. BLACK (Ground)
2. RED (+5vdc power)
3. ORANGE (Color/B&W switch)
4. GREEN (Game Reset Switch)
5. BROWN (Game Select Switch)
6. GRAY (Left or PlayerA Difficulty Switch)
7. VIOLET (Right or PlayerB Difficulty Switch)

REMEMBER the switch common of all the switches is connected to GROUND.

Details of wiring the switches is beyond the scope of this document as their Are many different types and mounting styles available and I could not cover all possible variations.

NOTES

If you have any problems with your Mini2600 or comments about this Setup & checkout guide then please email support@8bitdomain.com.