

Thomas

DON'T WORRY ON JR W/O AMP CIRCUIT

-----NEW TEXTFILE BELOW-----

COMPOSITE/AUDIO/CHROMA/LUMA OUTPUT FOR ATARI 2600 by THOMAS CLANCY

File revision 1.1

After finding my entertainment budget disappear (poor university student) I was forced to economize--I dusted off the Ole'2600. I figured I would hook it up to my computer monitor, but to my dismay there was no composite output on the beast (Atari). Determined to overcome, I quickly disassembled it. After some poking and prodding around I managed to locate the required signals.

Benefits: No longer require a TV. You no longer require those god-awful switch boxes. No more interference patterns on the screen (from the RF cable being used as a bloody antenna). No longer requires the 100' hookup RF cable. Crisp clear Audio etc;

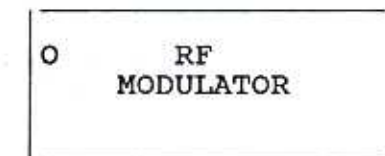
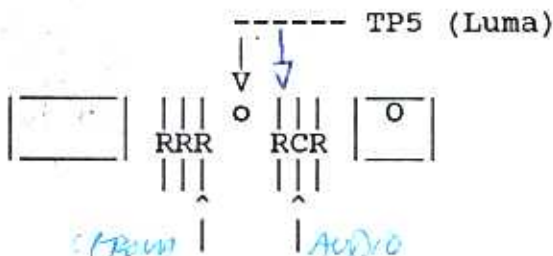
Drawbacks: No longer get to see sister trip in 100' RF cable. No longer get to fall asleep with psychedelic interference patterns on screen.

Materials Required:

Phillips screwdriver, a soldering iron, solder, a small piece of wire, 2 or 3 patch cables and a small pair of needle-nose pliers.

* The following schematic is for the NEWER model which is sometimes referred to as the "Atari Junior". The older model is much the same.

- 1-Simply unplug everything from your console, turn it over and remove the 5 screws.
- 2-Remove the top and bottom plastic case pieces. When removing the TOP piece carefully pull out the ribbon cable that connects it to the main board.
- 3-You should now have the board (covered by a metal shield) in your hands. Turn it over, you will see little clasps on the edge of the shield that hold it in place. Straighten these with your pliers and you can then remove 2 LARGE shields (One on Bottom of unit, one on Top). The small shield remaining (On Top) covers the RF modulator.
- 4-Orient the exposed board into the position that it would normally be in. ie: The way it is when you play (On/Off switch near Top Left).
- 5-Look in the LOWER RIGHTHAND AREA of the TOPSIDE (front) of the board. You will see a setup that resembles the schematic below.

TOPSIDE OF THE BOARD,
LOWER RIGHTHAND CORNER-1800
→

R41 (Chroma) --- --- C19 (Audio)
Gold/Red/Grey/Blue Usually turquoise Colored
Color-banded

NOTE: You can connect the Audio to EITHER side of the Capacitor, the best results are obtained by placing it on the BOTTOM of the Capacitor (as shown).

The Chroma *MUST* be hooked up to the BOTTOM of the resistor (as shown). It will NOT work if you hook it to the top of the resistor.

To gain Chroma/Luma/Audio output you will need 3 RCA patch cables [the kind commonly used with Stereos]. Simply solder the cables at the required points (Chroma/Luma/Audio) as shown. Remember to GROUND ALL cables! ie: solder the GROUND wire [the wire that wraps around the inner wire] to any point that the board shield connects to.

To gain Composite/Audio output you need 2 RCA patch cables [the kind commonly used with Stereos]. Here it gets a little different than above. Simply solder a "jumper" [a piece of wire] from R41 (Chroma) to TP5 (Luma), then connect a patch cord to TP5 [Presto! you now have composite]. Solder the remaining cable to C19 (Audio). Again, remember to GROUND all cables. Do *NOT* GROUND the jumper!

Simply re-assemble the unit and you are done. You will find that it is easier to have the newly installed cables exit through the joystick port. Alternatively, you could cut a notch in the case for a separate exit. Having the cables exit through the RF output is not recommended. There will not be enough room (without pinching the cables) to hook up the RF cable. Adjust your brightness/contrast. Enjoy!

If you ever wish to adjust your color (chroma) there is a "POT" that you can tweak. It can be found near the OFF/ON switch. It is the only pot on the left side of the board.

DISCLAIMER:

I can not, and will not, be held responsible for any damages that you or your system incur. This document is provided for informational purposes only.

Send all Questions/Comments/Cartridges you are no longer using to:

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Later.....

-----{{{((((((((((((Ryan 'Gozar' Collins))))))))))}}}}-----
(On whether abstinence is a Religious term, and\rlcollins@miavx1.acs.muohio.edu
should or should not be in the schools:) \RC1DSANU@miamiu.acs.muohio.edu
"What if you're an Atheist who hates sex?" \rcollins@apsvax.aps.muohio.edu
- Andy from my EDL 304 class \ R.COLLINS1 on GENIE
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