

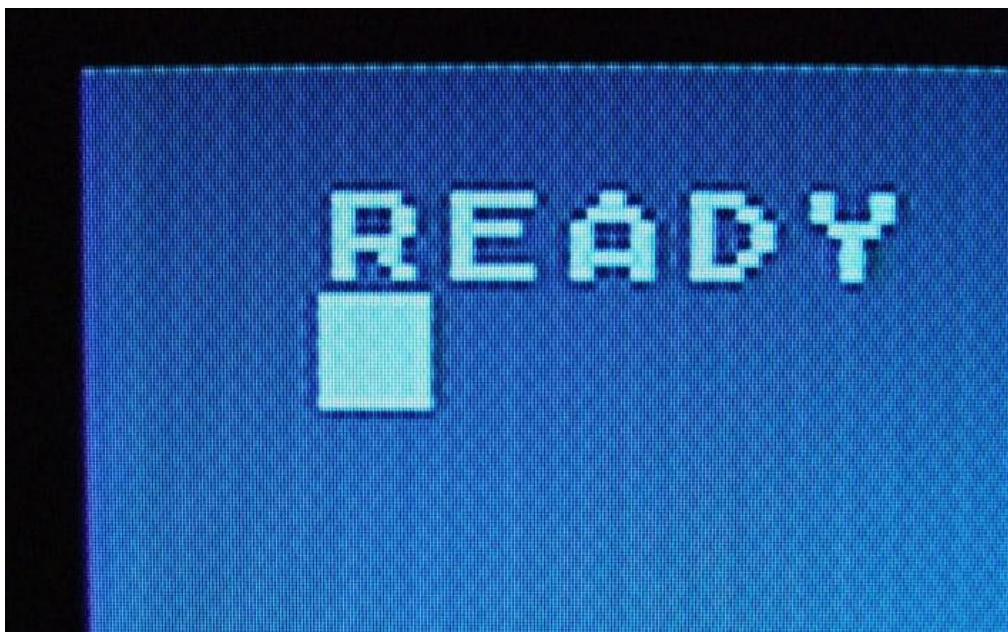
UltraVideo 1.0 for the Atari 800XL

Although the s-video output on my Atari XEs always left a lot to be desired, when I finally got hold of an 800XL I was appalled by the quality of the display. Even after performing both of Ben Poehland's [SuperVideo Mods](#), I was still left with zigzag vertical stripes down the screen, grain, noise, and poor vertical definition. The fact I was still experiencing artifacting meant the luma and chroma signals still weren't isolated, so more drastic action was required.

Disclaimer: Before proceeding, be aware that this mod *completely disables composite and RF output on your 800XL*. It's intended for those who use s-video exclusively *using a plain cable with no noise-reducing diode inside*, and would like the best possible s-video signal. *Note that artifacting will no longer work after this modification is performed*. I also take no responsibility for damage caused by poor soldering/de-soldering or disassembly of the machine. Work is performed entirely at your own risk and I can't guarantee that the results will look the same on another computer/monitor combination as they do on mine. I've ended up with a display comparable to that of the RGB output from a VBXE board, but I have no way of knowing if others will enjoy the same results. I would refer readers to the SuperVideo page above for detailed discussions of the problems related to the stock 800XL video circuit.

The Old Display

After performing the SuperVideo Mod on my new 800XL, the s-video signal still produced this on my LG Flatron M227WD TFT monitor:



The zigzag lines absolutely ruined the picture, and background noise not visible in the photograph made matters worse. These are the problems the "UltraVideo" mod addresses.

