

This is a simple common emitter amplifier. It is a non-inverting current amplifier and serves here to allow the video signal from the game to drive a standard composite monitor with 75 ohm impedance.

In order to prevent the audio from interfering with the video signal, the mixing oscillator must be disabled on the main circuit board.

Misconnect the base lead of 01 (a 2N3563 located near the RF modulator)

The audio doesn't need any extra buffering.

Places to get signals:

- 1. from RF modulator
 Video: Pin 3
 Ground: Pin 1

 do not use pin 2 for the +5 volts
- 2. from Expansion Interface on 7800
 Audio: Pin 17
 Video: Pin 3
 +5: Pin 2
 Ground: Pin 1, 9, 18
- 3. from video mixer on main circuit board Video: point where R10 thru R15, R3, C7, and C8 meet Audio: point where R4 thru R6, C4, C5, and C9 meet Ground: other end of R4, C7, or R14 +5: other end of C4

This is required for the 7800 and the Sears Video Arcade II.