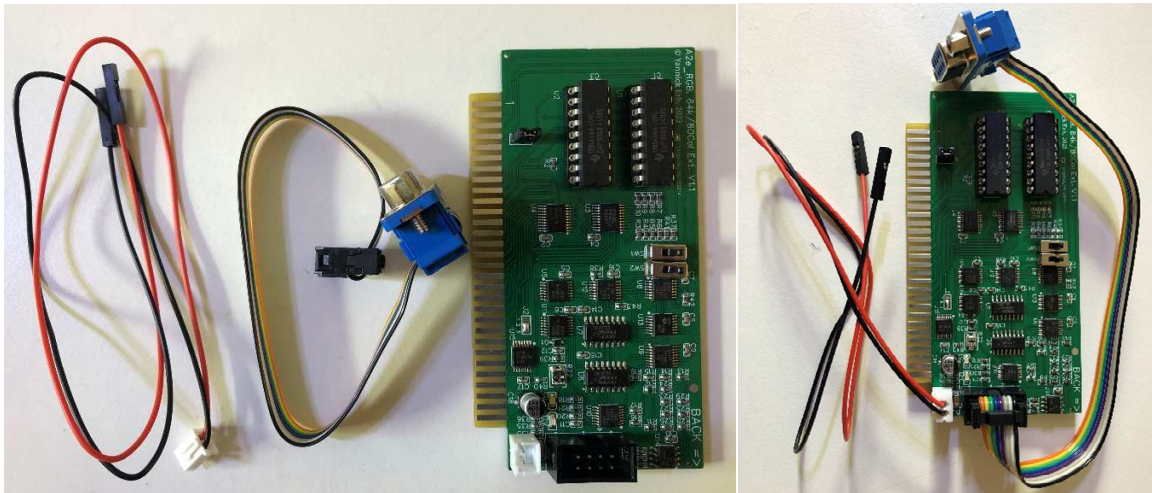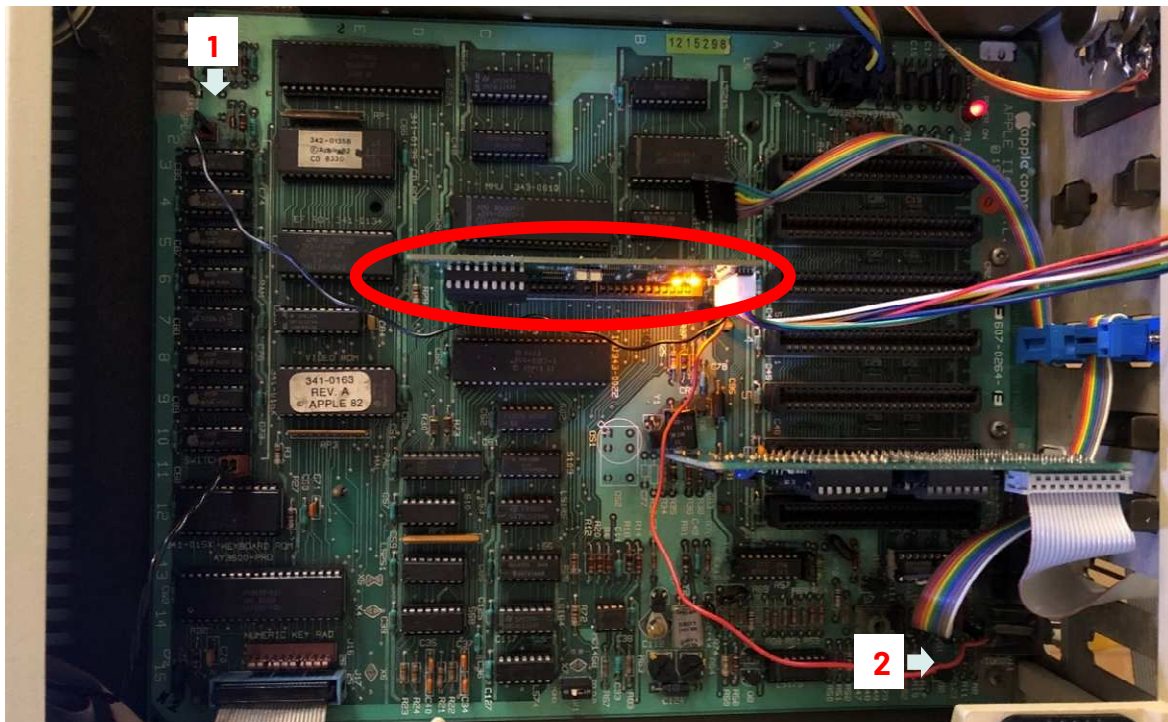# Installation of the A2eRGB card in a PAL Apple 2e

Before installing the card, connect both provided cables to it:

Make sure your computer is turned OFF, best is to remove the power cord to prevent any issue.

The A2eRGB card has to be installed in the AUX slot:
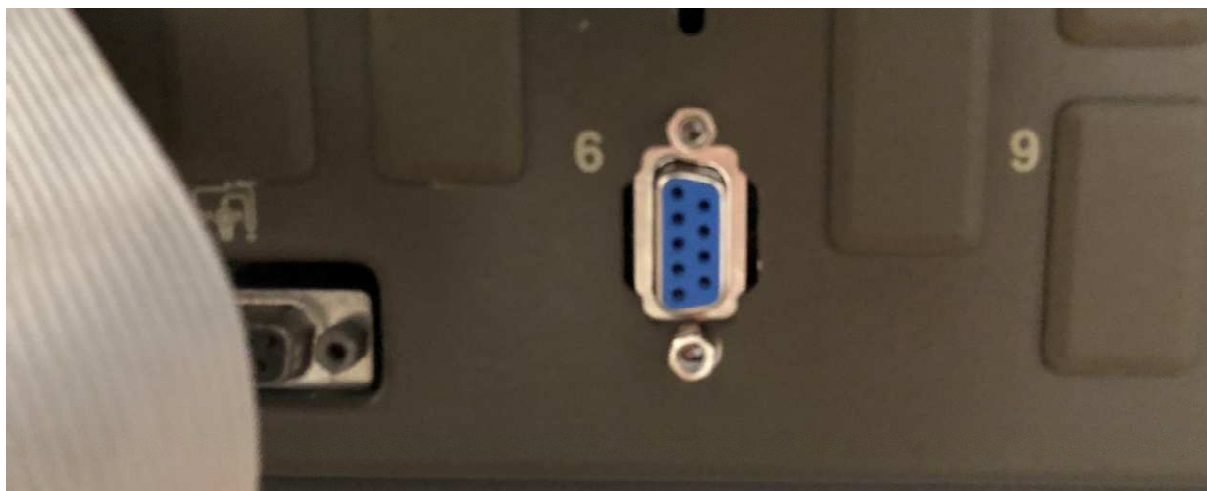

Connect the BLACK and RED wires coming from the small connector:

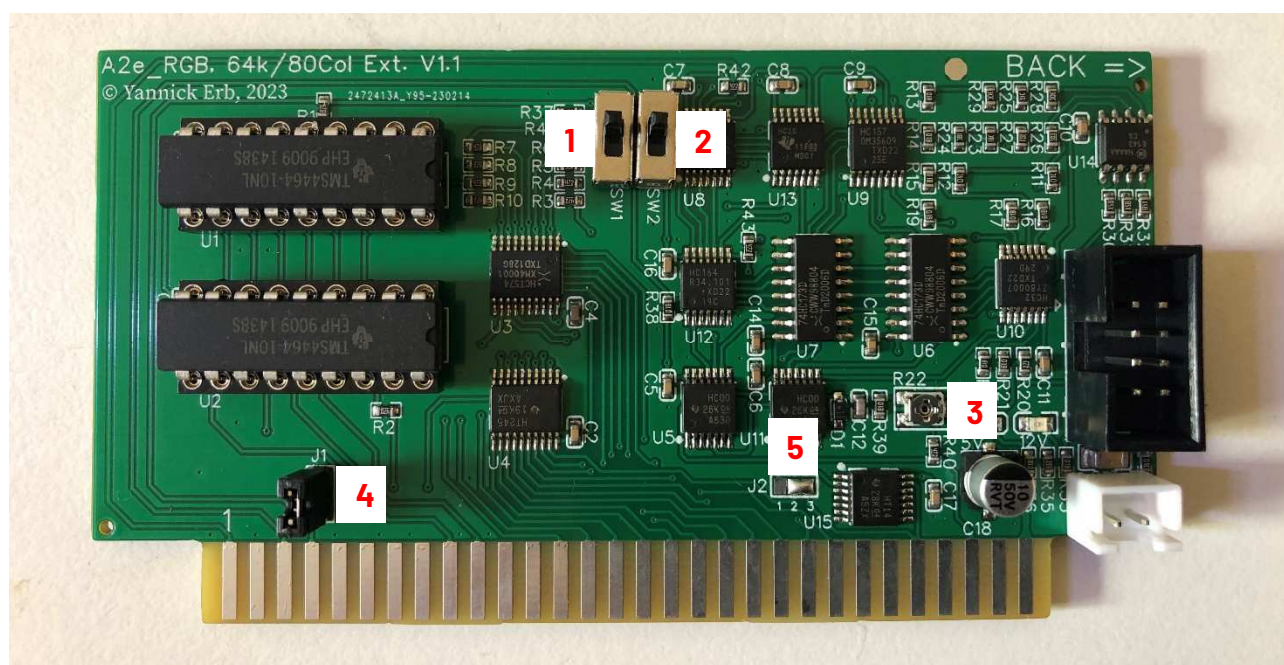| 1. The BLACK wire goes to the audio connector First disconnect the speaker and connect the wire to the pin toward the back of the computer	2. The RED wire connects to the 12V line available at the internal MODULATOR connector. The 12V pin is the right most one when looking at the computer from front
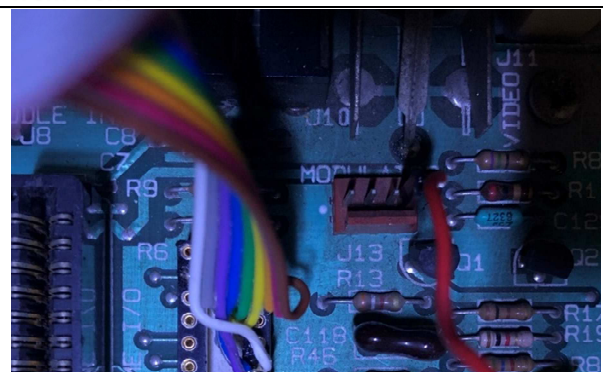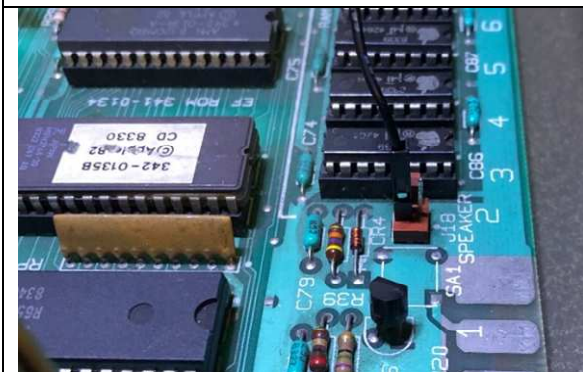
Finally secure the dB9 connector on one of the available slot at the back of the computer:

A2eRGB Settings :

The following settings are available :

1	Switch output to COLOR (up) or B&W (down) display
2	Allows to select 2 delays for WHITE correction, 4 consecutive B&W pixels are rendered as white whatever the phase, this allows to adjust the start position of this white pixel slightly
3	The potentiometer adjusts the size of the white pixel (strength of the white pixel correction). This is preset before shipment, but you can adjust it to your preference.
4	This jumper enables double high-resolution graphics (DHGR), if you remove the jumper DHGR is disabled this needs to be done for some Apple 2e revisions (if the last five digits of the part number are 0064-A).
5	This jumper in position 1-2 introduces a delay in the EN80 signal used by the 64k extension side, some 80col/64k extension cards from back in the days had this delay, as some users reported issues with the extension I've added this circuit and gave the possibility to enable it if you're experiencing issues. With default setting (jumper in position 2-3) there is no delay introduced. There is no guarantee that it will work, with my Apple 2e enabling the delay generates some errors in memory tests.

NTSC motherboard connector positions:

1. Audio input, black cable to be connected to J18 pin 2
2. +12V input, red cable to be connected to J13 pin 4
(Connection on wrong PIN will not cause issue but you won't have sound or function switching working)