
TIMEX SINCLAIR USERS GROUP
MILE HIGH CHAPTER

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NOV/DEC 1987 *HAPPY HOLIDAYS TO ALL AND A PROSPEROUS NEW YEAR*

TSUG meetings are USUALLY on the 4th Thursday of every month.
The DEC. meeting is cancelled because of the holidays.

MILE HI TSUG maintains a sub-board on THE KING'S MARKET BBS.
1-303-665-6091, 8-1-NONE. Accessible thru PC-PURSUIT.

MENU SELECTIONS TO GET TO THE SUB-BOARD ARE:

- (1) CONTENTS
- (2) INTERESTS & USER GROUPS
- (3) TIMEX-SINCLAIR

PROPERTY OF
CCAT/S
655-7484

General messages for club members are addressed to "ALL".

MISC NOTES: MONITOR PROBLEMS

For those of you who have been having problems with monitors. The "tearing" problem at the upper left corner of the display seems to be because of a peculiar mis-match that can occur between the computer and the monitor.

The 75 ohm impedance matching resistor and the 100mfd DC isolation capacitor in the output circuit of the computer AND the 75 ohm impedance matching resistor in the input of the monitor form a "pi" network which feeds the input capacitor of the monitor. This input capacitor seems to vary widely from brand to brand and changes the balance of the "pi" network.

My solution was to remove the 100 mfd output capacitor (C-58) and substitute a 470 mfd capacitor (after a lot of experimentation). You may need to experiment a bit for the particular monitor that you have; mine is an AMDEK 300-A.

There wasn't enough room in the video cage for the new cap so I replaced the capacitor with a jumper and made an add-on plug box with the 470 mfd cap. This goes between the "monitor out" plug and the monitor.

I have not experimented with replacing the 75 ohm resistors with 300 ohms for a different impedance match) because I would need to tear into both the computer and the monitor.

If your monitor has a 75/300 ohm switch, then it would be a simple matter to remove the entire output capacitor/resistor combination from the 2068, then add a switch and the two (75/300 ohm) resistors to the capacitor in the add-on box so that you have an impedance selection switch for the computer.

Just remember that the emitter resistor and blocking capacitor are now in the external box. If you power-up the 2068 (or connect a monitor) without them it will damage the computer.

And always make sure that the two switches are set the same.
