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Subject: monochrome monitor to rgb connection question

Posted by [jm](#) on Tue, 04 Jun 2013 04:01:40 GMT

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Message-ID:

Date: Mon, 5-Nov-84 13:05:51 EST

Article-I.D.: tekadg.51

Posted: Mon Nov 5 13:05:51 1984

Date-Received: Thu, 8-Nov-84 00:19:48 EST

Organization: Tektronix, Beaverton OR

Lines: 37

[]

I tell ya, I got soooo many questions. Just wish I had some answers...

Problem: I dislike looking at the text characters on my amdek 300a when connected to my ibm color/graphics card. But setting the 6845 crt controller to interlace mode smears the picture.

I assume that this is because the amdek has insufficient bandwidth to accomodate the interlaced signal (or maybe it's the cable playing low-pass filter).

Proposal: Connect an ibm direct drive monochrome monitor to the RGB output of the color card. Then set the 6845 to interlace mode and see what happens.

Question: Am I gonna blow up the whole mess? Around here, technical info is scarce (odd as that may seem), and ibm doesn't fill in all the blanks in my mind with what they do say. The very minimum I would say is that I need to make a new cable. Then I may have to invert one of the outputs (maybe in software?).

I'm afraid my name ain't Mr. Video, so this one goes out to you all.

Next Subject: What We Need is a library of "Patches, Hints And Kinks" for the PC user. It would save re-inventing the wheel over and over, and make hacking (and I use that term advisedly) less frustrating. This is the sort of thing that would go in the file. As would solutions to the "reset memory size after startup" and "reset button" problems...

Comments?

Jeff Mizener / Tektronix Portables ADG / Beaverton OR

{ucbvax,decvax,purdue,uw-beaver,hplabs,allegra,ihnp4,ogcvax}!tektronix!tekadg!jm  
ARPA: tekadg!jm.tek@udel-relay CSnet: tekadg!jm@tek

"May your stone always grow rolling grass that is greener underneath."

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Subject: Re: monochrome monitor to rgb connection question

Posted by [dmt](#) on Tue, 04 Jun 2013 04:01:42 GMT

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Posted: Wed Nov 7 09:26:54 1984

Date-Received: Fri, 9-Nov-84 06:09:55 EST

References:

Organization: AT&T Information Systems Labs, Holmdel NJ

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#### REFERENCES:

- > Subject: monochrome monitor to rgb connection question
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- > Problem: I dislike looking at the text characters on my amdek 300a
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- > say is that I need to make a new cable. Then I may have to invert
- > one of the outputs (maybe in software?).

The Monochrome monitor is seriously incompatible with the output of the color board.

- (1) The signals have different meanings and senses. For instance, the mono monitor responds to intensity signals on two leads, while the color board RGB output is sorted by color and the composite output doesn't have separate sync leads (needed by the mono monitor).
- (2) The mono monitor runs at a higher horizontal sweep frequency

(by about 20% -- nontrivial). My guess is that would cause it to simply not work, though I've heard rumors about this sort of thing turning the IBM monitor into a blue smoke generator. On balance, I'd go with a mono board and the mono monitor (in fact, I did ten months ago). It generates a DIFFERENT character set, that's much easier on the eyes.

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- > solutions to the "reset memory size after startup" and
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- > Comments?

Except for Norton's book, "Inside the IBM PC", which deals with software only, I can't think of anything that fits your bill except the accumulated annals of net.micro.pc. Continue to subscribe, and ENJOY.

Happy hacking. Dave Tutelman