

Re: OSC and unity gain buffer

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- *From:* Fred Bloggs <nospam@xxxxxxxxxxx>
 - *Date:* Thu, 10 Apr 2008 19:54:07 -0400
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Michael A. Terrell wrote:

Fred Bloggs wrote:

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Fred Bloggs wrote:

Oh? You're quite the ignoramus
today...thanx for more ammo:-)

If you know so damn much about video amplifiers why
didn't you tell
the OP that a unity gain buffer is the wrong configuration, or
that you
need to use double termination?

So much for your 'ammo'. OTOH, you ARE always shooting
blanks.

A unity gain buffer would not be the wrong configuration for a series
terminated drive into a high impedance termination of the line, such as
into a scope. Can you tell me why you would want to use the x2 series
termination with a video amplifier? I don't think you mentioned anything
more than matching line/termination impedances which means as usual your
post is misinformational and/or incomplete...Your statement:"Without the

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extra gain and resistor you have a sever mismatch which causes no end of problems."

Fred. double terminated video amps have been the standard for over 50 years. I can't help it if you don't understand. Look at a few of the Linear, Analog or Maxim data sheets for video amplifiers and educate yourself.

In the early days the video amp was a cathode follower circuit. Early solid state were emitter follower circuits. The amp needs as low of an output impedance as practical, then has to be matched to both ends of the 75 ohm coax. I apologize if you can't grasp this simple concept. Look at simple video distribution designs, too.