Subject: Re: Buffer for my system?
Posted by Wayne Parham on Tue, 12 Feb 2013 16:45:05 GMT
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Good advice: I think the gist of what you're saying is correct, and would limit fan-out to a reasonable number of connections.

The thing that concerns me more than drive level is noise immunity, and that having a bunch of unbalanced lines connected together might introduce more noise. If the source output impedance

noise is potentially more likely. So I guess my real concern with fan-out isn't the drive level but the vulnerability to noise.

As to buffer amps, I think they're good for the noise problem (if one finds they have it) but I wouldn't put one in just to do it. If there is no noise problem, don't. No need to introduce anything into the signal path that isn't necessary.

Boils down to a situation where you just have to see what you have and decide what to do. If you don't have a noise and/or drive problem, don't add a buffer stage.