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Subject: Ground scheme

Posted by [Forty2wo](#) on Mon, 14 Feb 2005 03:50:50 GMT

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Good grounding technique is one of the most important areas of building any audio gear and a spot where if a mistake is made, can be very frustrating to find and correct. Each part of our circuit needs a good solid path to ground but only one. We need to take care that we don't create ground loops. Multiple paths to ground. Usually through the chassis or another part of the circuit. The two paths will have slightly different resistance and current flow. This is a great way to generate hum and noise and is to be avoided. This just takes a little planning as you lay out your project, keep in mind where your ground is and how circuit bits will connect to it. Most tube gear will use a ground bus, a "star" single point ground, or a careful combination of the two. Running a completely separate wire from each and every jack and so on, will build a rats nest and may pick up more noise than it prevents. Ok enough theory. I'll pick up with part 2 a practical application to our project...John

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