Re: is there a way to increase the light of an LED with a dial?

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- *From*: Victory <bionicbuddha@xxxxxxxxx>
- *Date*: Thu, 24 Jan 2008 19:58:04 −0800 (PST)

Darn, I just threw away a stereo a month or so ago. I will have to go to Value Village or goodwill and see what they have. Will any stereo volume tuner do for a variable resistor?

On Jan 24, 7:53 pm, "James Sweet" <jamessw...@xxxxxxxxxxx> wrote:

> "Victory" <bionicbud...@xxxxxxxxx> wrote in message
>
> news:7029a8a9−fab8−45a2−8fa9−e52da4810bd3@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
>
> > Ok, I called Radio Shack and they have 'potentiometers', which I hope
> > is the same thing. I just don't know which to pick because the one
> > they told me about is rated for 25 ohms...
>
> Yes a pot is a variable resistor. Don't they have something around 5K?
> That's a very common value. You can salvage this sort of thing out of all
> sorts of old junk. Any junky old boom box or other audio equipment will have
> a number of pots in it. Some are board mounted trimmers, some are panel
> mounted, they all do pretty much the same thing.
>
> If you get one with too low a resistance (25 ohms is too low) you won't be
> able to dim very far at all. If you go too high, only the upper portion of
> the rotation will be useful and below that the LED will be off. Anything
> from 1K−10K should be usable. Rat Shack used to sell an asortment of mixed
> trimpots for a few dollars, not sure if they still do.
>
> You might want to read up on this stuff so you understand the theory behind
> it rather than just asking for a specific part to get. Ohms law is really
> simple stuff if you understand basic algebra.

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