
Audio Alerts to Annunciator Light

Posted by Deafhawk - 2010/02/02 16:13

We are planning the modification of a Paradise P1 SLSA for Deaf Pilots. Because pilots who are Deaf will be flying mainly into uncontrolled airports we think a collision avoidance system is important. The audio alert of course will do no good for a Deaf pilot. What kind of LED could we plug into the audio output to give visual signal?

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Re:Audio Alerts to Annunciator Light

Posted by Comperini - 2010/02/16 11:04

There is no "indicator light" output on the XRX (although it is a nice idea). When the XRX detects a real close target, that triggers the voice announcement, the display also flashes. Since the display is LCD, I admit that the flashing is easy to miss, unless you are looking at the display, at the time.

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Re:Audio Alerts to Annunciator Light

Posted by JohnAJohnson - 2010/03/01 10:25

Not sure what kind of voltage level comes out of the audio line when there is an alert, but you should be able to harness it and turn it into a light. You could put the "audio line out" on the base of a transistor and when there is a voltage increase, it would forward bias that transistor and provide a ground for a light through its collector/emitter. This page shows how to use a transistor as a switch, and if you have someone in your group that's handy with electronics, this could be done in a few hours for less than \$5, including case, light, and electronic components.

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