

Embedded Microcontroller Design Project

Smart Guitar

Mission Statement

The goal of this team is to develop an innovative guitar for musicians using state of the art technology and smart phone capabilities. The team will create a guitar that allows the user to modulate sound using an iPhone application.

Synopsis

The Smart Guitar team will produce a prototype incorporating development of an iPhone application (app) and a guitar pickup for transmitting signals. With our design, the iPhone is capable of receiving a signal from the guitar's pickup. An app on the iPhone will be capable of changing the volume, tone, or effects and then transmit the signal to an amplifier or speaker.



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