Using arduino to interface a guitar and a trackpad to a PC via USB

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January 24, 2015

Abstract

In this short report we show how arduino can be used to interface a guitar and a trackpad to a PC using the serial port. The interface is then used by a Java software which processes the audio and applying effects like distortion, reverb, and so on. Input data acquired by the trackpad is used to adjust how the effect is applied.

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