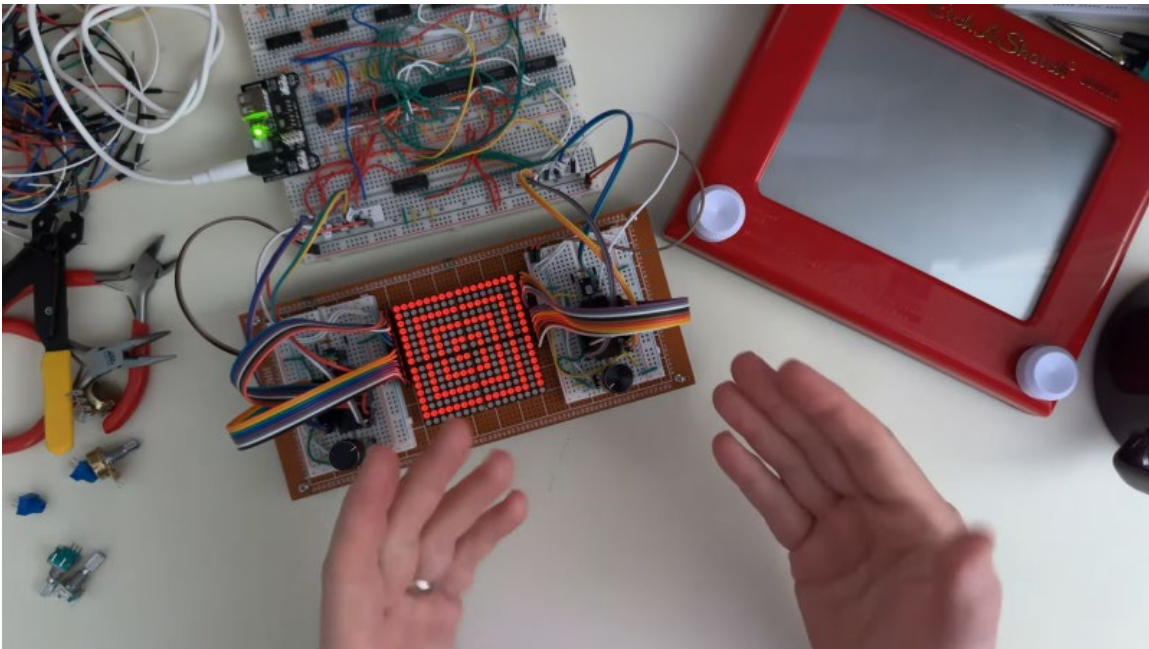# The LS30 Rotary Encoder NoBounce IC Eliminated Switch Bounce and Saved Many External Components.

The Problem

Sean Heber designed an electronic Etch-A-Sketch that used rotary encoders for the two knobs. He experienced unsatisfactory operation until he realized that the rotary encoders were very bouncy. "It really bugged me how many extra components and board space just debouncing the controls was going to take up."

The Solution

He discovered the LS30. "it worked great with way fewer components." His rotary encoder switch bounce issues went away resulting in smooth operation. He commented: "these knobs feel great to turn."

Sean posted an informative and entertaining video of his project on YouTube.

Full Video   **LS30 Portion of the Video**

About Sean Heber

Sean is a software engineer who began his career at an Internet company in 1994 and has since worked on everything from desktop applications and custom server software to websites both large and small. In 2007 he started working on iPhone apps and games and has been developing software at The Iconfactory for 15 years. Sean has no formal electronics education, but he earned a BS in Computer Science from Clarke University and also completed several graduate level Computer Science courses at the University of Northern Iowa.

About LogiSwitch

LogiSwitch was founded in 2016 by Mike Pelkey, a serial inventor and entrepreneur who has a long engineering career in industrial automation. LogiSwitch's NoBounce line of ICs and switches is a result of Mike's 40+ year career in electronic design engineering where he developed switch bounce solutions for automation applications.