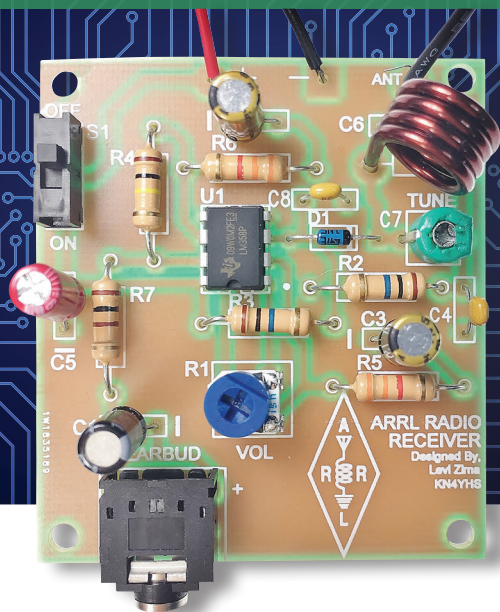


ARRL's Introduction to Radio Receiver Kit

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ARRL
the national association for
amateur radio®

Introduction

This kit is a tunable and volume-controlled radio receiver with a frequency range of approximately 40 MHz to 150 MHz. It can pick up transmissions from nearby FM radio stations, Air Traffic Control Towers, and similar transmitting sources.

The circuit consists of a wire **antenna**, a **front end** with a hand-coiled 15µH inductor for high Q, a trimmer capacitor for frequency **tuning**, and an op amp and potentiometer for signal **amplification** and volume control. The radio is powered with a 9-volt battery. An earbud-style headphone is included.

Instructions and Tips

You'll need a soldering iron, solder, wire cutter, protective eyewear, and some other basic tools. Detailed assembly instructions, schematic, and videos (coming soon) can be found online: www.arrl.org/radiokit. Begin assembly by soldering smaller parts first, and by working from the middle of the board to the outside. The leads for the battery clip and antenna can be soldered last.

WARNING: Please wear safety goggles.
This kit requires soldering and clipping leads.

Ordering: 888-277-5289 | www.arrl.org/shop

Support is provided by ARRL@radiosinc.com

