Arduino for Ham Radio: A Radio Amateur's Guide to Open Source Electronics and Microcontroller Projects

By ARRL Inc., Glen Popiel KW5GP

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Arduino Microcontroller Projects You Can Build Today!

The Arduino has become widely popular among hobbyists and ham radio operators. Hams are exploring these powerful, inexpensive microcontrollers, creating new projects and amateur station gear. With its Open Source model, the Arduino community freely shares software and hardware designs, making projects easier to build and modify.

Arduino for Ham Radio introduces you to the exciting world of microcontrollers and Open Source hardware and software. It starts by building a solid foundation through descriptions of various Arduino boards and add-on components, followed by a collection of ham radio-related practical projects. Beginning with simple designs and concepts and gradually increasing in complexity and functionality, there is something here for everyone. Projects can be built quickly and used as-is, or they can be expanded and enhanced with your own personal touches.

Projects: Random Code Practice Generator, CW Beacon and Foxhunt Keyer, Fan Speed Controller, Digital Compass,
Weather Station, RF Probe with LED Bar Graph, Solar Battery Charge Monitor, On-Air Indicator, Talking SWR Meter,
Talking GPS/UTC Time/Grid Square, Indicator, Iambic Keyer, Waveform Generator, PS/2 CW Keyboard, Field Day Satellite Tracker, Azimuth/Elevation Rotator Controller, CW Decoder, Lightning Detector and CDE/Hy-Gain Rotator Controllers.

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