

## Arduino Projects for Amateur Radio

*Jack Purdum, Dennis Kidder*

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**Jack Purdum, Dennis Kidder : Arduino Projects for Amateur Radio** before purchasing it in order to gage whether or not it would be worth my time, and all praised Arduino Projects for Amateur Radio:

3 of 3 people found the following review helpful. Where Are the Errors?By DLSWhile some of the projects seem very interesting, the first thing I did was go to the "Errata" webpage as explained in the preface. [www.mhprofessional.com/arduinoamradio](http://www.mhprofessional.com/arduinoamradio) I couldn't find any errata. Their own website: [www.arduinoforamradio.com](http://www.arduinoforamradio.com) for discussion of projects turns up a blank "U.S. Microwave" page. I understand books such as this are published on a very short time line but they need then to have a recourse for noting errors. In the first project, LCD Shield, the listing gives pinouts as "LiquidCrystal lcd(12, 11, 5, 4, 3, 2);". Yet the recommended downloadable program lists "LiquidCrystal lcd(12, 11, 7, 6, 5, 4);". I know I can easily change this but I shouldn't have errors like this from the start.... Or I should at least be able to find a listing of these errors. I fear I will have to do a lot of unnecessary debugging.In the Morse Decoder I see a digitalWrite(LED,1) but never a digitalWrite(LED,0). I thought the LED was supposed to flash with the incoming audio.I will certainly change my review if I can get pointed

in the right direction toward noted errors.3 of 3 people found the following review helpful. Very detailed and informative.By Glen DrakeVery detailed and well written. I have successfully built the universal panel meter and intend to build more of the projects in this book. The link to the forum listed in this book seems to be broken, but the source code for the projects can be found if you go to the "McGraw Hill Professional" web site and search on "Arduino Projects for Amateur Radio". PS, If you build the panel meter, make sure the unit is powered up before you try to measure a voltage with it and make sure the voltage being measured is not too far beyond the range of the meter. Anyone want to buy a fried Arduino board?0 of 0 people found the following review helpful. Best book of fun for ham radio and arduinoBy GlacierjayFull of great technical details and fun projects. I have the kindle and the paperback versions: it is a little easier to prop up the real book while working on things, copy parts of a page, etc. If you could only print tables/schematics from the Kindle it would make the paper copy redundant...I'd love to see another version using Raspberry Pi to do similar things.

**BOOST YOUR HAM RADIO'S CAPABILITIES USING LOW-COST ARDUINO MICROCONTROLLER BOARDS!** Do you want to increase the functionality and value of your ham radio without spending a lot of money? This book will show you how! Arduino Projects for Amateur Radio is filled with step-by-step microcontroller projects you can accomplish on your own--no programming experience necessary. After getting you set up on an Arduino board, veteran ham radio operators Jack Purdum (W8TEE) and Dennis Kidder (W6DQ) start with a simple LCD display and move up to projects that can add hundreds of dollars' worth of upgrades to existing equipment. This practical guide provides detailed instructions, helpful diagrams, lists of low-cost parts and suppliers, and hardware and software tips that make building your own equipment even more enjoyable. Downloadable code for all of the projects in the book is also available. Do-it-yourself projects include: LCD shield Station timer General purpose panel meter Dummy load and watt meter CW automatic keyer Morse code decoder PS2 keyboard CW encoder Universal relay shield Flexible sequencer Rotator controller Directional watt and SWR meter Simple frequency counter DDS VFO Portable solar power source

About the AuthorDr. Jack Purdum, W8TEE (Cincinnati, OH) has been a licensed ham since 1954 and is the author of 17 programming books. He retired from Purdue University's College of Technology where he taught various programming languages. Dennis Kidder (Inyokern, CA) has been a licensed ham since 1969. He is also an electrical engineer with a distinguished career in major engineering projects throughout the world, working for companies such as Raytheon and Hughes.