Arduino Projects for Amateur Radio (Electronics)

By Jack Purdum, Dennis Kidder

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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

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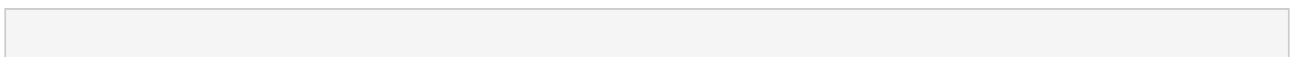
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Editorial Review

About the Author

Dr. 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.

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