Practical AVR Microcontrollers

By Alan Trevennor

aPress, United States, 2012. Paperback. Book Condition: New. 2012 ed.. 234 x 190 mm. Language: English . Brand New Book. In Practical AVR Microcontrollers, you ll learn how to use the AVR microcontroller to make your own nifty projects and gadgets. You ll start off with the basics in part one: setting up your development environment and learning how the naked AVR differs from the Arduino. Then you ll gain experience by building a few simple gizmos and learning how everything can be interconnected. In part two, we really get into the goodies: projects! Each project will show you exactly what software and hardware you need, and will provide enough detail that you can adapt it to your own needs and parts availability. Some of the projects you ll make: * An illuminated secret panel * A hallway lighting system with a waterfall effect * A crazy lightshow * Visual effects gizmos like a Moire wheel and shadow puppets In addition, you ll design and implement some home automation projects, including working with wired and wireless setups. Along the way, you ll design a useable home automation protocol and look at a variety of hardware setups. Whether you re new...

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