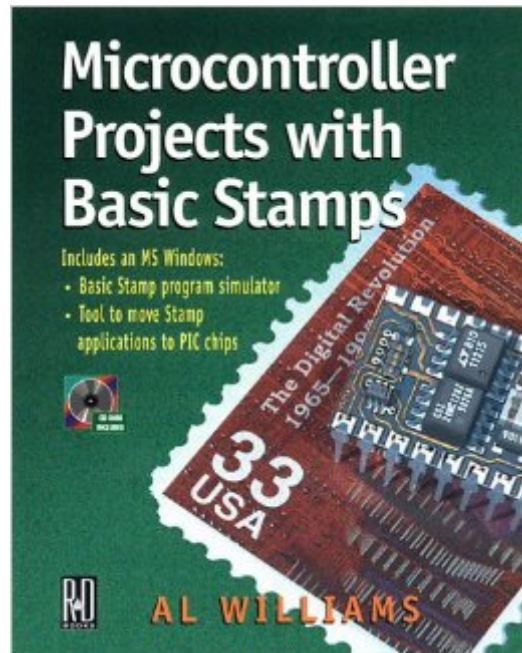


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# Microcontroller Projects With Basic Stamps



## Synopsis

"Basic Stamp" is the brand name of a chip that is widely used in the prototyping of microcontrollers - the "brains" of electronic devices. This manual teaches the principles and processes of microcontroller development by demonstrating how to program the Basic Stamp. It seeks to serve the needs of those desiring to learn the principles and processes of microcontroller development including beginner, intermediate and advanced embedded systems developers. The opening section explains the basics of microcontrollers for the professional electronic technician and for the hobbyist. The second section provides practical examples and Basic Stamp programming tips for intermediate users - including details about memory allocation and operators. For advanced Stamp users, the last section of the book explains direct PIC assembly language programming. The APP-1 PIC Programmer software, provided on the companion CD-ROM, converts Basic Stamp programs into the more efficient PIC chips assembly language.

## Book Information

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## Customer Reviews

This book is much better than the regular Stamp manual. It starts out explaining how everything works and then covers each of the commands by function which is a great idea (instead of alphabetizing them). After that the author shows you how things work by bringing you through a series of projects. Unlike some books most of these projects are simple enough to breadboard in 10 or 15 minutes. There are a few projects that are more complicated at the end so you can get some feel for how do do a real design too (like the morese code keyer that has a pcb).The projects make

sense and illustrate specific topics. There are some games, a capacitance meter, a logic probe, an A/D converter. The book is probably meant as a text book (it has exercises at the end of the chapters) but I found it great for self study (the answers are in the back). The information on the PIC is helpful and I have even started programming PICs as a result of reading this book (it comes with plans to make a Stamp-based PIC programmer).

It's what I expected, to a degree. Still, if you are a beginner in micro controllers, get a beginners book. This one is a bit advanced and the projects are more complex than I wanted to start with. But, you can learn a tremendous amount from it if you have the background to understand micro controllers and basic language. In short, don't let the word "Basic" mislead you. It's just the name of the programming language- nothing basic about it at all.

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