

## BASCOM AVR Tutorial

BASCOM AVR is a compiler used for writing software to download on Atmel 8 bit microcontrollers. It is easy to learn and use and is very inexpensive.

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### *Downloading*

BASCOM AVR is available for download from several locations. Two that I will mention are the MCS Electronics site, [http://www.mcselec.com/download\\_avr.htm](http://www.mcselec.com/download_avr.htm) . Also, you will find the user manual available on those same pages. I performed this installation on a computer running a 2 GHz Celeron processor with Windows XP as the operating system.

### *Unzipping*

Start by creating a folder on your desktop named "bascom." Download all six of the files (each labeled bcavrd 1.zip, bcavrd 2.zip, etc) into the bascom folder you created on your desktop. After all of the files have been successfully downloaded, unzip the files into the same folder.

### *Installing*

Open the unzipped folder bcavrd 1 and click the setup icon. You may get a warning for the digital signature validation.

# Bascom Avr Tutorial

**Claus Kühnel**



## Bascom Avr Tutorial:

*Programmieren der AVR-RISC-Mikrocontroller mit BASCOM-AVR* Claus Kühnel, 2010 BASCOM AVR ist eine BASIC Entwicklungsumgebung für die bekannten AVR Mikrocontroller von Atmel und ein Beispiel dafür dass leistungsfähige Entwicklungsumgebungen auch kostengünstig zur Verfügung gestellt werden können Der 2004 in zweiter Auflage erschienene Titel liegt nun in dritter bearbeiteter und erweiterter Auflage vor und berücksichtigt auch neuere AVR Mikrocontroller mit ihren weiterentwickelten Merkmalen Da BASCOM AVR heute über ein umfangreiches Hilfesystem in englischer Sprache verfügt wurde die Befehlsbeschreibung zugunsten der Beschreibung neuer Merkmale wie Kalibration des internen RC Oszillators und der erweiterten Peripherie komprimiert Die Anwendungen wurden hinsichtlich Auswahl und Umfang beträchtlich erweitert Entsprechend hat sich die Zahl der Seiten auf 444 erhöht In der 3. Auflage neu sind Aussagen zu folgenden Themen: AD Umsetzungen Kalibration des internen RC Oszillators Ansteuerung grafischer LCDs Anbindung ans Internet Ansteuerung von Servos DC und Schrittmotoren und mehr Es werden neue Hardwareplattformen wie Atmel Butterfly Lilypad Arduino und Orangutan in die Betrachtungen einbezogen Auf der Website des Autors [www.ckuehnel.ch](http://www.ckuehnel.ch) sind weitere Informationen sowie alle im Buch behandelten Programmbeispiele zum Download zu finden

**Microcontroladores 8051 Com Linguagem Basic** Marcio Andrade Silva, 2012-12-20 Um microcontrolador poderoso uma linguagem de programa o simples e um método de ensino fácil de ser compreendido Esta fórmula deste livro é que vai lhe proporcionar a chance de realmente iniciar no mundo dos microcontroladores na prática e sem complicações Aprenda a projetar seus dispositivos usando linguagem BASIC e com os microcontroladores da família 8051 mais difundidos no mercado AT89S51 AT89S52 e AT89S8253 Você construir seus projetos sem a necessidade de placas de estudo ou montagens complexas Tudo ficar pronto para analisar em poucos instantes e com componentes simples de obter Tudo de forma surpreendentemente simples e na medida para quem quer aprender sem complicações Monte estes projetos enquanto aprende Led Pisca Pisca Controle de Teclas Sequencial Contador com Display de 7 segmentos Relógio com Display LCD Comunicação Serial Comunicação USB uso de Interrupções Memória EEPROM Teclado Matricial Controle de Servo Motores controle de Motores de Passo e um Voltmetro Digital realmente funcional

*Roboter mit Mikrocontrollern selbst bauen* Heinz Schmid, 2012-02-01 Roboter sind aus dem Industrie Spielzeug und Ausbildungsbereich längst nicht mehr wegzudenken Einsteiger aber auch jene die bereits erste Erfahrungen in der Robotik mitbringen finden in diesem Buch unter Berücksichtigung der unterschiedlichen Wissensniveaus der handwerklichen finanziellen und zeitlichen Voraussetzungen einen leichten Zugang ins Thema Vorgestellt werden die unterschiedlichen Möglichkeiten des Selbstbaus von Baukastensystemen über elektronische Bauteile bis hin zur Do it yourself Robotik Dieses Buch gibt einen umfassenden Überblick über die Robotertechnik in Industrie Forschung sowie Haushalt und Garten Es führt in die Grundlagen des Roboterselbstbaus und der dabei verwendeten Mikrocontroller unter besonderer Berücksichtigung der im Selbstbaubereich sehr häufig genutzten ATMEL und PIC Mikrocontrollerfamilien ein Das Buch stellt auch die zur

Programmierung verwendete Software ROBO Pro RoboLab RobotC LabView Microsoft Robotics Studio Excel mit VBA Basic u  
C Compiler vor Ein Ausblick auf zukunftsstr chtige neue Grundlagenbereiche der Robotik rundet dieses Buch ab **Robot  
Builder's Sourcebook** Gordon McComb,2003 A much needed clearinghouse for information on amateur and educational  
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