



# **TABLE OF CONTENTS FOR RAPID 18**

- 1. Unpacking and Installation**
- 2. Using the Integrated Development Environment (IDE)**
- 3. Compiling and Running a Program**
- 4. Using a Serial Port**
- 5. More Serial and Using Instructions**
- 6. Handling Input**
- 7. Counting and Relays**
- 8. Debugging**
- 9. Advanced Debugging**
- 10. Code Profiling**
- 11. LCD**
- 12. Analog to Digital Conversion**
- 13. Arrays and Analog Filtering**
- 14. EEPROM**
- 15. Timers**
- 16. Interrupts**
- 17. Reading Temperature**
- 18. Speaker Output & Pulse Width Modulation**
- 19. Using the Keypad**
- 20. Interfacing to Clock (RTC)**
- 21. Migrating to Your Own Hardware**