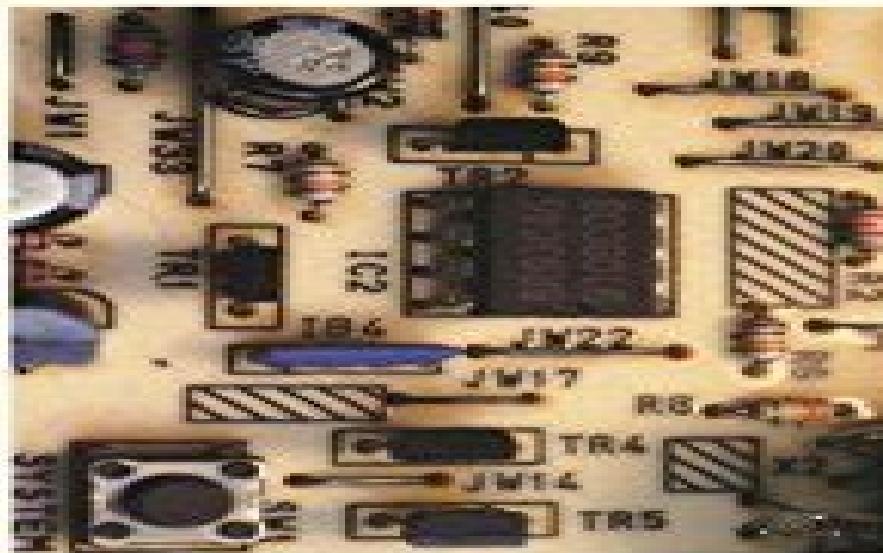


# COMPUTER INTERFACING

# A GENERAL INTRODUCTION TO COMPUTERS, COVERING ALL ASPECTS OF HARDWARE AND HOW THEY INTERFACE



## GRAHAM DIXEY

# Computer Interfacing Graham Dixey

**K. C. Tang, Electrical Engineering and  
Electronics**

## **Computer Interfacing Graham Dixey:**

Computer Interfacing Graham Dixey,2014 This book explains how computers interact with the world around them and therefore how to make them a useful tool Topics covered include descriptions of all the components that make up a computer principles of data exchange interaction with peripherals serial communication input devices recording methods computer controlled motors and printers In an informative and straightforward manner Graham Dixey describes how to turn what might seem an incomprehensible black box PC into a powerful and enjoyable tool that can help you in all areas of your work and leisure With plenty of handy tips and clear illustrations this book can improve your computer system and even shows new uses for old kit such as motor control

*Auto Electronics Projects* Maplin,2013-10-22 Many car owners find the mechanics of their vehicle relatively familiar ground but struggle when faced with the electrics Increasingly vehicle design depends on a bewildering array of more advanced electronics This book helps the reader to understand more about car electrics and its workings and therefore should help with fault diagnosis It includes the latest developments such as electronic ignition described in a way that is accessible to anyone with a basic grasp of electricity In addition this is a collection of projects each a practical useful and proven design These projects provide an array of elegant and affordable solutions from a digital tachometer a lights on warning indicator a digital device to calculate fuel consumption and some basic alarm and audio designs Most importantly all components and devices described in this book are readily available readers can be confident of obtaining all the parts and equipment from Maplin either through their catalogue or their network of high street stores Based on projects from Electronics the Maplin Magazine this compendium will spark the interest of anyone who wishes to put their electronics skills to good and fruitful use Other books in the Maplin Series include Starting Electronics all you need to get a grounding in practical electronics Computer Interfacing a general introduction to computers covering all aspects of hardware and how they interface Logic Design an introduction to digital logic Music Projects straightforward design ideas to build Audio IC Projects a collection of useful circuits based on readily available chips TV and Video Projects a collection of useful and proven design ideas

**Power Supply Projects** Maplin,2013-10-22 Using circuit diagrams PCB layouts parts lists and clear construction and installation details this book provides everything someone with a basic knowledge of electronics needs to know in order to put that knowledge into practice This latest collection of Maplin projects are a variety of power supply projects the necessary components for which are readily available from the Maplin catalogue or any of their high street shops Projects include laboratory power supply projects for which there are a wide range of applications for the hobbyist from servicing portable audio and video equipment to charging batteries and miscellaneous projects such as a split charge unit for use in cars or similar vehicles when an auxiliary battery is used to power 12v accessories in a caravan or trailer Both useful and innovative these projects are above all practical and affordable

**Starting Electronics** Keith Brindley,2016-01-29 Starting Electronics is a nine chapter introductory text to electronics based on feature articles previously published as

magazine articles The opening chapter provides an overview of the fundamentals of electronics The succeeding chapters present details of some easy to do experiments and the current and voltage measurement The remaining chapters cover some basic components of electronics including capacitor integrated circuit oscillator filter diodes and transistors This book will prove useful to electronic constructors and students **Music Projects** R A Penfold,1994 Music Projects contains a collection of projects based on music applications Components are widely available and the circuits form the basis for further experiments Circuit diagrams are provided as are photographs of the main circuits Parts lists are also given Robert Penfold's reputation for innovative circuit designs and well thought out projects is firmly established His work has been featured regularly in the popular Bob's Mini Circuits section of Electronics the Maplin magazine This is a collection of his best ideas from the magazine Projects include an accented metronome a tremolo unit a guitar compressor a bass fuzz and a chorus unit

**Audio IC Projects** Keith Brindley,2013-10-22 Each of the projects in this collection of data files provides a building block which constructors can use to experiment with components and use as a starting point for further development This book will thus provide a toolkit for building audio systems and circuits based on readily available components using straightforward techniques Maplin staff are experienced providers of project ideas with useful features and many applications Each of the circuits in this book are based around readily available chips and provide an excellent way to become familiar with the characteristics of the chip as well as providing construction details for useful projects Each includes pinouts and pin designations output waveforms parts lists circuit diagrams PCB layouts and photographs of the boards The projects described in this book are based on those appearing in the popular Data Files feature in Electronics the Maplin Magazine

**Test Gear and Measurements** David Stewart OBE D.Litt.h.c.,2016-06-23 This book provides a clear introduction to test gear in the field of electronics As well as being a first guide to test gear and its use the book includes much practical information and reference material for the more experienced electronics enthusiast or student Based on a collection of feature articles originally published in Electronics the Maplin Magazine this work by Danny Stewart is sure to be useful to electronics constructors students and experimenters alike Details of all the common and some not so common items of test gear are included alongside information regarding its use in various measurement situations **Home Security Projects** Staff Maplin,. Maplin,1996 This title contains useful design ideas for various security devices around the home components for which are affordable and readily available Clear construction and installation instructions accompanied by circuit designs PCB layouts and a list of the necessary components allow the reader to design anything from a gas leak detector to an electronic watchdog Based on projects from Electronics the Maplin Magazine this book provides a practical guide for anyone with a basic knowledge of electronic circuit construction and allows them to put that knowledge to good use **The British National Bibliography** Arthur James Wells,2001 **American Book Publishing Record** ,1995 **Books in Print** ,1991 **The Cumulative Book Index** ,1996 A world list of books in the English language **Microprocessor Interfacing** Graham

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  Computer Interfacing K. C. Tang,Electrical Engineering and Electronics,1974

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