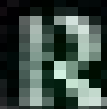


SECOND EDITION

HANDMADE ELECTRONIC MUSIC

THE ART OF
HANDMADE MUSIC

NICOLAS COLLINS



**Handmade Electronic Music The Art Of Hardware
Hacking Paperback 2009 Author Nicolas Collins**

Tobias Bleicker



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Handmade Electronic Music Nicolas Collins, 2020-06-01 Handmade Electronic Music The Art of Hardware Hacking provides a long needed practical and engaging introduction to the craft of making as well as creatively cannibalizing electronic circuits for artistic purposes With a sense of adventure and no prior knowledge the reader can subvert the intentions designed into devices such as radios and toys to discover a new sonic world You will also learn how to make contact microphones pickups for electromagnetic fields oscillators distortion boxes mixers and unusual signal processors cheaply and quickly At a time when computers dominate music production this book offers a rare glimpse into the core technology of early live electronic music as well as more recent developments at the hands of emerging artists This revised and expanded third edition has been updated throughout to reflect recent developments in technology and DIY approaches New to this edition are chapters contributed by a diverse group of practitioners addressing the latest developments in technology and creative trends as well as an extensive companion website that provides media examples tutorials and further reading This edition features Over 50 new hands on projects New chapters and features on topics including soft circuitry video hacking neural networks radio transmitters Arduino Raspberry Pi data hacking printing your own circuit boards and the international DIY community A new companion website at www.HandmadeElectronicMusic.com containing video tutorials video clips audio tracks resource files and additional chapters with deeper dives into technical concepts and hardware hacking scenes around the world With a hands on experimental spirit Nicolas Collins demystifies the process of crafting your own instruments and enables musicians composers artists and anyone interested in music technology to draw on the creative potential of hardware hacking

Semi-Conducting Nicolas Collins, 2025-02-20 Written by a composer long immersed in new and experimental music this book provides a tour of the music technologies and people that have transformed how we make hear and think about sound over the past fifty years As both a participant and critical observer in the post Cagean musical landscape Nicolas Collins uses anecdotes and analysis to survey the history and aesthetics of the musical avant garde Among the topics explored are relationships between popular culture and the avant garde the shifting definitions of improvisation and composition in a world where musical scores might take form as charts drawings words notes written on a staff or electronic circuits the social and aesthetic effects of analog and digital resources in the production and consumption of music and more broadly the nature of experimental thinking in creative pursuits The book follows a personal chronology of observations and experiences with music technology economics and culture from youthful encounters with John Cage and Minimalism to the Downtown and East Village scenes of the 1980s the assimilation of avant garde sensibilities into European concert halls and global pop the burgeoning of sound art and the transformative influence of digital technologies both positive and negative

Handmade Electronic Music Nicolas Collins, 2014-01-27 Handmade Electronic Music The Art of Hardware Hacking provides a long needed practical and engaging introduction for students of

electronic music installation and sound art to the craft of making as well as creatively cannibalizing electronic circuits for artistic purposes Designed for practioners and students of electronic art it provides a guided tour through the world of electronics encouraging artists to get to know the inner workings of basic electronic devices so they can creatively use them for their own ends Handmade Electronic Music introduces the basic of practical circuitry while instructing the student in basic electronic principles always from the practical point of view of an artist It teaches a style of intuitive and sensual experimentation that has been lost in this day of prefabricated electronic musical instruments whose inner workings are not open to experimentation It encourages artists to transcend their fear of electronic technology to launch themselves into the pleasure of working creatively with all kinds of analog circuitry

The British National Bibliography Arthur James Wells,2009 **Hardware Hacking** Nicolas Collins (Musician),2004 The Art of Electronic Music Greg Armbruster,1984

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