Handmade Electronic Music The Art Of Hardware Hacking

(Guitar Educational). Steve Vai reveals his path to virtuoso enlightenment with two challenging guitar workouts, which include scale and chord exercises, ear training, sight-reading, music theory and much more. These comprehensive workouts are reprinted by permission from Guitar World magazine.

Pink Noises brings together twenty-four interviews with women in electronic music and sound cultures, including club and radio DJs, remixer, composers, improvisers, instrument builders, and installation and performance artists. The collection is an extension of Pinknoises.com, the critically-acclaimed website founded by musician and scholar Tara Rodgers in 2000 to promote women in electronic music and make information about music production more accessible to women and girls. That site featured interviews that Rodgers conducted with women artists, exploring their personal histories, their creative methods, and the roles of gender in their work. This book offers new and lengthier interviews, a critical introduction, and resources for further research and technological engagement. Contemporary electronic music practices are illuminated through the stories of women artists of different generations and cultural backgrounds. They include the creators of ambient soundscapes, “performance novels,” sound sculptures, and custom software, as well as the developer of the Deep Listening philosophy and the founders of the Liquid Sound Lounge radio show and the monthly Basement Bhangra parties in New York. These and many other artists open up about topics such as their conflicted relationships to formal music training and mainstream media representations of women in electronic music.
music. They discuss using sound to work creatively with structures of time and space, and voice and language; challenge distinctions of nature and culture; question norms of technological practice; and balance their needs for productive solitude with collaboration and community. Whether designing and building modular synthesizers with analog circuits or performing with a wearable apparatus that translates muscle movements into electronic sound, these artists expand notions of who and what counts in matters of invention, production, and noisemaking. Pink Noises is a powerful testimony to the presence and vitality of women in electronic music cultures, and to the relevance of sound to feminist concerns. Interviewees: Maria Chavez, Beth Coleman (M. Singe), Antye Greie (AGF), Jeannie Hopper, Bevin Kelley (Blevin Blectum), Christina Kubisch, Le Tigre, Annea Lockwood, Giulia Loli (DJ Mutamassik), Rekha Malhotra (DJ Rekha), Riz Maslen (Neotropic), Kaffe Matthews, Susan Morabito, Ikue Mori, Pauline Oliveros, Pamela Z, Chantal Passamonte (Mira Calix), Maggi Payne, Eliane Radigue, Jessica Rylan, Carla Scaletti, Laetitia Sonami, Bev Stanton (Arthur Loves Plastic), Keiko Uenishi (o.blaat)

As mainstream music consumers wait with baited breath for the next musical upheaval, a small core of tech-savvy individuals are re-shaping the aural landscape without the assurance of being part of any larger movement. Their ideologies and creative approaches differ wildly, but they share a desire to take sound beyond the realm of mere entertainment. Drawing on extensive research into the world of audio extremity, Micro-Bionic includes interviews with William Bennett (Whitehouse), Peter Rehberg (Mego) and Peter Christopherson (Throbbing Gristle/Coil).

Introduces concepts, techniques, and tools needed for productive growth in the fields of audio, video, and multimedia.
recording. This book includes essential theory relating to electronics principles specific to the audio world, as well as practical lessons on soldering, and how to use a digital multimeter for testing audio gear and cables.

Aquaculture, the youngest, fastest-growing, and most dynamic protein-producing industry, has the key advantage of efficient use of feed that allows farmed fish to be competitively priced compared with terrestrial proteins. Sustainable Aquafeeds: Technological Innovation and Novel Ingredients explores the present and future evolution of feeds, explains the current challenges for aquaculture, and considers how advances in technologies and ingredients can produce aquafoods for the increasing world population. International contributors to this book provide state-of-the-art information on the profile of the aquafeed industry, including factors affecting supplies and prices of key ingredients for aquafeed production. An entire set of chapters covers the scientific advances and feed industry initiatives in accordance with modern consumer trends, updating readers on the most promising strategies. These include the use of novel ingredients for nutrient supplementation and the enhancement of their use by genetic selection. The authors hope to inspire a collaboration of NGOs, researchers, and private partnerships to replace wild-caught ingredients by accelerating and supporting the scaling of innovative, alternative, aquaculture feed ingredients, including bacterial meals, plant-based proteins, algae, and yeast.

This book uses a decolonial Black feminist lens to understand the contemporary significance of the practices and politics of indifference in United States higher education. It illustrates how higher education institutions are complicit in maintaining dominant social norms that perpetuate difference. It weaves together Black feminisms, affect and queer theory to demonstrate that the ways in which human bodies are
classified and normalized in societal and scientific terms contribute to how the minoritized and marginalized feel White higher education spaces. The text espouses a Black Feminist Shad(e)y Theoretics to read the university, by considering the historical positioning of the modern university as sites in which the modern body is made and remade through empirically reliable truth claims and how contemporary knowledges and academic disciplinary inheritances bear the fingerprints of racist sexist science even as the academic tries to disavow its inheritance through so-called inclusive practices and policies today. This book will appeal to students and scholars interested in Black feminism, Gender and women's studies, Black and ethnic studies, sociology, decoloniality, queer studies and affect theory.

John Cacavas has written an extensive book on the techniques of composing, orchestrating and arranging. Includes chapters on each section of the band and orchestra, voicing techniques as well as special chapters on concert band writing, choral writing, electronic applications and writing for film and television.

Fans will get bent out of shape if they miss the first book to cover circuit-bending-"bending," for short-the method by which an electronic toy or a device such as a keyboard is short-circuited and modified to create an entirely different sound Written by the inventor of the technology, this book covers the tools of the trade, shows how to build a bending workshop, and reveals secrets that will have readers of all levels making sweet music in no time Readers learn basic bends, body contacts, and other bending skills, as well as ways to create bent instruments from a variety of popular toys and electronic devices Features some of the author's own unique creations

This accessible Introduction explores both
mainstream and experimental electronic music and includes many suggestions for further reading and listening.

A SUNDAY TIMES, TELEGRAPH, ROUGH TRADE, PITCHFORK AND UNCUT MUSIC BOOK OF THE YEAR SHORTLISTED FOR THE PENDERYN MUSIC BOOK PRIZE

Art Sex Music is the autobiography of a musician who, as a founding member of the avant-garde group Throbbing Gristle and electronic pioneers Chris & Cosey, has consistently challenged the boundaries of music over the past four decades. It is the account of an artist who, as part of COUM Transmissions, represented Britain at the IXth Biennale de Paris, whose Prostitution show at the ICA in 1976 caused the Conservative MP Nicholas Fairbairn to declare her, COUM and Throbbing Gristle 'Wreckers of Civilisation' . . . shortly before he was arrested for indecent exposure, and whose work continues to be held at the vanguard of contemporary art. And it is the story of her work as a pornographic model and striptease artiste which challenged assumptions about morality, erotica and art. Art Sex Music is the wise, shocking and elegant autobiography of Cosey Fanni Tutti.

Making music doesn’t have to be about dropping big bucks in the guitar shop or endlessly fiddling with expensive software. You can make good noise out of bits of wood and wire, plastic and steel. When you
build your own instruments, creating your own sound comes naturally. Junkyard Jam Band is a step-by-step guide to making a full array of complete musical projects—no previous carpentry or electronics experience required. Each build includes tips on how to coax the best sounds out of the instrument and encourages you to mod the project to fit your own style. Learn how to: —Bust up your old tape decks for a handheld old-skool Scratchbox —Give your voice a robotic makeover with the Droid Voicebox —Circuit-bend unsuspecting childhood toys into mutant glitching jazz-punk machines —Transform cigar boxes into thumb pianos and electric ukuleles —Build a crackling, multifunction Mud-n-Sizzle Preamp to attach to any electric music machine Along the way, you’ll explore the physics behind wind instruments, discover how harmonics work, and get your feet wet with some music theory. To top it all off, the back of the book includes a soldering primer for total beginners, along with extra circuits to customize your instruments even further. Build your own band your way!

Electronic music is now ubiquitous, from mainstream pop hits to the furthest reaches of the avant garde. But how did we get here? In Mars by 1980, David Stubbs charts the evolution of synthesised tones, from the earliest mechanical experiments in the late nineteenth century, through the musique concrete of the Futurists and radical composers such as Pierre
Schaeffer and Karl Stockhausen, to the gradual absorption of electronic instrumentation into the mainstream, be it through the BBC Radiophonic Workshop, grandiose prog rock or the DIY approach of electronica, house and techno. Stubbs tells a tale of mavericks and future dreamers, malfunctioning devices and sonic mayhem. But above all, he describes an essential story of authenticity: is this music? Mars by 1980 is the definitive account that answers this question.

Providing a practical introduction for students of electronic music, installation, and sound-art to the craft of making, this text covers the basics of practical circuitry. It tours the world of electronics, encouraging artists to get to know the inner workings of basic electronic devices.

Electronic and Experimental Music: Technology, Music, and Culture provides a comprehensive history of electronic music, covering key composers, genres, and techniques used in analog and digital synthesis. This textbook has been extensively revised with the needs of students and instructors in mind. The reader-friendly style, logical organization, and pedagogical features of the fifth edition allow easy access to key ideas, milestones, and concepts. New to this edition: • A companion website, featuring key examples of electronic music, both historical and contemporary. • Listening Guides providing a moment-by-moment annotated exploration of key
works of electronic music. • A new chapter—Contemporary Practices in Composing Electronic Music. • Updated presentation of classic electronic music in the United Kingdom, Italy, Latin America, and Asia, covering the history of electronic music globally. • An expanded discussion of early experiments with jazz and electronic music, and the roots of electronic rock. • Additional accounts of the vastly under-reported contributions of women composers in the field. • More photos, scores, and illustrations throughout. The companion website features a number of student and instructor resources, such as additional Listening Guides, links to streaming audio examples and online video resources, PowerPoint slides, and interactive quizzes.

The author covers the development of the electronic musical instrument from Thaddeus Cahill's Telharmonium at the turn of the last century to the MIDI synthesizers of the 1990s. --book cover.

Dive hands-on into the tools, techniques, and information for making your own analog synthesizer. If you’re a musician or a hobbyist with experience in building electronic projects from kits or schematics, this do-it-yourself guide will walk you through the parts and schematics you need, and how to tailor them for your needs. Author Ray Wilson shares his decades of experience in synth-DIY, including the popular Music From Outer Space (MFOS) website.
and analog synth community. At the end of the book, you’ll apply everything you’ve learned by building an analog synthesizer, using the MFOS Noise Toaster kit. You’ll also learn what it takes to create synth-DIY electronic music studio. Get started in the fun and engaging hobby of synth-DIY without delay. With this book, you’ll learn: The differences between analog and digital synthesizers Analog synthesizer building blocks, including VCOs, VCFs, VCAs, and LFOs How to tool up for synth-DIY, including electronic instruments and suggestions for homemade equipment Foundational circuits for amplification, biasing, and signal mixing How to work with the MFOS Noise Toaster kit Setting up a synth-DIY electronic music studio on a budget

Made in Germany: Studies in Popular Music serves as a comprehensive introduction to the history, sociology, and musicology of contemporary German popular music. Each essay, written by a leading scholar of German music, covers the major figures, styles, and social contexts of pop music in Germany and provides adequate context so readers understand why the figure or genre under discussion is of lasting significance. The book first presents a general description of the history and background of popular music in Germany, followed by essays organized into thematic sections: Historical Spotlights; Globally German; Also "Made in Germany"; Explicitly German; and Reluctantly...
German.

This book, which is a temporary re-release of a DIY basic electronics classic, will teach you exactly how to modify and custom tailor each of your effects pedals to your needs and tastes. No experience needed. Note that since this is a limited release of the last version of the book, some of the links inside may be dead. However, the book is being made available temporarily due to customer demand. 

Includes:  * Complete details on how to modify over 80 different effect pedals  * Basic Definitions and Concepts of effect pedals, their circuitry, and mods  * Walk-throughs of various circuits - what all those parts do, and what you can change it to  * Detailed close-up pictures of the pedal's circuit boards showing where the parts are located  * Where to get parts and what kind to get  * All About Components, the different types, and what they do in guitar pedals  * How to read and understand schematics  * Installing Pots and Switches to control mods  * Installing a Pot in place of a Resistor (add your own bass/ mids/ treble controls!)  * True Bypass Box Diagram  * Most pedals have several different modifications that can be performed

(Ukulele). This collection features 15 classic songs arranged by ukulele master, James Hill. In these remarkable arrangements, two distinct ukulele parts chord accompaniment and melody can be played in counterpoint at the same time by one player. The
arrangements cater to both advanced beginner and experienced players and there is a warm-up section that introduces the player to the "Duets for One" concept. The book includes access to audio tracks online of all the arrangements performed by James Hill, for download or streaming, using the unique code inside the book. Songs are arranged for GCEA-tuned ukes and include: Georgia On My Mind * Summertime * Don't Get Around Much Anymore * The Glory of Love * Here Comes the Rain Again * L-O-V-E * Cheek to Cheek * Viva La Vida * and 7 more.

(Second Edition updated for MAX 7) This is the second in a series of three volumes dedicated to digital synthesis and sound design. Hundreds of sound examples and interactive examples, programs written in Max, as well as a library of Max objects created especially for this book. Structured for use in university courses.

This book identifies the definition of a child within the law, the rights of children, and discusses the extent to which primarily English law gives adequate recognition to and protection of these rights. To what extent does English law gives adequate recognition to and protection of the rights of children?

Historically the idea of and protection of rights has focused on parental rights rather than the rights of the child. The rights of children have remained far less recognised and certain until recently. Using
case studies from the United Kingdom and beyond, this book takes a thematic approach to children’s rights and considers topics including: underlying concepts such as the welfare of the child and safeguarding, the right to education and to medical treatment, the right to freedom from abuse and/or sexual and commercial exploitation, including contemporary challenges from forced marriage, FGM, modern slavery and trafficking, the role of the State in relation to children in need of care and protection, children's rights in the criminal justice system, the right to contract and employment. In addition, the book provides an introduction to key aspects of domestic and international law, including the Children Act 1989, the UN Convention on the Rights of the Child, the European Convention on Human Rights and the Human Rights Act 1998. The book will be of great interest to law and social science students in the areas of Child Development and Protection, Human Rights Law, Family Law, Child Law, and Child Studies, as well as to social workers, police officers, magistrates, probation officers and other related professions.

The Adult All-In-One Course combines all of the pages from the Lesson Books and selected pages from Alfred's Basic Adult Piano Course Theory, Solo and Technic Books (Finger Aerobics) into each of these concise volumes.

The Creative Electronic Music Producer examines
the creative processes of electronic music production, from idea discovery and perception to the power of improvising, editing, effects processing, sound design. Featuring case studies from across the globe on musical systems and workflows used in the production process, this book highlights how to pursue creative breakthroughs through exploration, trial and error tinkering, recombination, and transformation. The Creative Electronic Music Producer maps production's enchanting pathways in a way that will fascinate and inspire students of electronic music production, professionals already working in the industry, and hobbyists.

Get Your Move On! In Making Things Move: DIY Mechanisms for Inventors, Hobbyists, and Artists, you'll learn how to successfully build moving mechanisms through non-technical explanations, examples, and do-it-yourself projects--from kinetic art installations to creative toys to energy-harvesting devices. Photographs, illustrations, screen shots, and images of 3D models are included for each project. This unique resource emphasizes using off-the-shelf components, readily available materials, and accessible fabrication techniques. Simple projects give you hands-on practice applying the skills covered in each chapter, and more complex projects at the end of the book incorporate topics from multiple chapters. Turn your imaginative ideas
into reality with help from this practical, inventive guide. Discover how to: Find and select materials Fasten and join parts Measure force, friction, and torque Understand mechanical and electrical power, work, and energy Create and control motion Work with bearings, couplers, gears, screws, and springs Combine simple machines for work and fun Projects include: Rube Goldberg breakfast machine Mousetrap powered car DIY motor with magnet wire Motor direction and speed control Designing and fabricating spur gears Animated creations in paper An interactive rotating platform Small vertical axis wind turbine SADbot: the seasonally affected drawing robot Make Great Stuff! TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

In Inner Sound, author Jonathan Weinel traverses the influence of altered states of consciousness on audio-visual media, explaining how our subjective realities may change during states of dream, psychedelic experience, meditation, and trance.

When Tom Petty arrived in Los Angeles in 1974 in search of a record deal for his band Mudcrutch, the Gainesville, Florida native found one almost immediately. While he thought he had found exactly what he was looking for in L.A., it would take years for Petty and his subsequent band, the Heartbreakers, to break onto the pop charts. Within the following two decades, Petty would stay planted in Los Angeles through chart-topping albums, battles with record labels, personal struggles, collaborations with rock and roll
royalty, and even an arsonist burning down his home in the San Fernando Valley. From the earliest Heartbreakers concerts in Los Angeles at the legendary Whisky a Go Go and the Santa Monica Civic Auditorium, to the band’s final concerts at the iconic Hollywood Bowl, Petty aimed to continue the tradition of the Southern California rock and roll of his musical heroes like the Byrds and Buffalo Springfield in his own fashion. At the same time, Petty’s career often coincided with seismic shifts in the music business, indicated by Petty’s famous refusal to back down in the face of label management, industry conventions, and the changing courses of platforms that helped make him a superstar, like rock radio and MTV. Somewhere You Feel Free: Tom Petty and Los Angeles explores the artistic life of Tom Petty through his career-long relationship with Los Angeles and the many colorful characters and venues that inspired him and his music—including his work with George Harrison, Bob Dylan, Stevie Nicks, Johnny Cash, Roger McGuinn, Leon Russell, Rick Rubin, and Del Shannon.

Arduino, Teensy, and related microcontrollers provide a virtually limitless range of creative opportunities for musicians and hobbyists who are interested in exploring "do it yourself" technologies. Given the relative ease of use and low cost of the Arduino platform, electronic musicians can now envision new ways of synthesizing sounds and interacting with music-making software. In Arduino for Musicians, author and veteran music instructor Brent Edstrom opens the door to exciting and expressive instruments and control systems that respond to light, touch, pressure, breath, and other forms of real-time control. He provides a comprehensive guide to the underlying technologies enabling electronic musicians and technologists to tap into the vast creative potential of the platform. Arduino for Musicians presents relevant concepts, including basic circuitry and programming, in a building-block
format that is accessible to musicians and other individuals who enjoy using music technology. In addition to comprehensive coverage of music-related concepts including direct digital synthesis, audio input and output, and the Music Instrument Digital Interface (MIDI), the book concludes with four projects that build on the concepts presented throughout the book. The projects, which will be of interest to many electronic musicians, include a MIDI breath controller with pitch and modulation joystick, "retro" step sequencer, custom digital/analog synthesizer, and an expressive MIDI hand drum. Throughout Arduino for Musicians, Edstrom emphasizes the convenience and accessibility of the equipment as well as the extensive variety of instruments it can inspire. While circuit design and programming are in themselves formidable topics, Edstrom introduces their core concepts in a practical and straightforward manner that any reader with a background or interest in electronic music can utilize. Musicians and hobbyists at many levels, from those interested in creating new electronic music devices, to those with experience in synthesis or processing software, will welcome Arduino for Musicians.

The Harmonica Primer Book for Beginners with Video Access by Tom Wolf is designed for the beginning harmonica player. This course starts by teaching proper hand positions, mouth positions, blowing, and drawing. You'll quickly learn more advanced concepts like scales, chords, double stops, vibrato, trills, cross harp, and bends. After covering techniques, you will learn how to play over 30 songs like Amazing Grace, Oh When the Saints..., and Will the Circle Be Unbroken. All songs are demonstrated at two different speeds (slow for practicing and performance tempo). This course also includes online access to video lessons and audio tracks for each
exercise and song. Drawing on recent ideas that explore new environments and the changing situations of composition and performance, Simon Emmerson provides a significant contribution to the study of contemporary music, bridging history, aesthetics and the ideas behind evolving performance practices. Whether created in a studio or performed on stage, how does electronic music reflect what is live and living? What is it to perform 'live' in the age of the laptop? Many performer-composers draw upon a 'library' of materials but others refuse to abandon traditionally 'created and structured' electroacoustic work. Lying behind this maelstrom of activity is the perennial relationship to 'theory', that is, ideas, principles and practices that somehow lie behind composers' and performers' actions. The relationship of the body performing to the spaces around has also undergone a revolution as the source of sound production has shifted to the loudspeaker. Emmerson considers these issues in the framework of our increasingly 'acousmatic' world in which we cannot see the source of the sounds we hear.

Electronic music evokes new sensations, feelings, and thoughts in both composers and listeners. Opening the door to an unlimited universe of sound, it engages spatialization as an integral aspect of composition and focuses on sound transformation as a core structural strategy. In this new domain, pitch occurs as a flowing and ephemeral substance that can be bent, modulated, or dissolved into noise. Similarly, time occurs not merely as a fixed duration subdivided by ratios, but as a plastic medium that can be generated, modulated, reversed, warped, scrambled, and granulated. Envelope and waveform undulations on all time scales interweave to generate form. The power of algorithmic methods amplify the capabilities of music technology. Taken together, these constitute game-changing possibilities. This
convergence of technical and aesthetic trends prompts the need for a new text focused on the opportunities of a sound oriented, multiscale approach to composition of electronic music. Sound oriented means a practice that takes place in the presence of sound. Multiscale means an approach that takes into account the perceptual and physical reality of multiple, interacting time scales—each of which can be composed. After more than a century of research and development, now is an appropriate moment to step back and reevaluate all that has changed under the ground of artistic practice. Composing Electronic Music outlines a new theory of composition based on the toolkit of electronic music techniques. The theory consists of a framework of concepts and a vocabulary of terms describing musical materials, their transformation, and their organization. Central to this discourse is the notion of narrative structure in composition—how sounds are born, interact, transform, and die. It presents a guidebook: a tour of facts, history, commentary, opinions, and pointers to interesting ideas and new possibilities to consider and explore.

Storylistening makes the case for the urgent need to take stories seriously in order to improve public reasoning. Dillon and Craig provide a theory and practice for gathering narrative evidence that will complement and strengthen, not distort, other forms of evidence, including that from science. Focusing on the cognitive and the collective, Dillon and Craig show how stories offer alternative points of view, create and cohere collective identities, function as narrative models, and play a crucial role in anticipation. They explore these four functions in areas of public reasoning where decisions are strongly influenced by contentious knowledge and powerful imaginings: climate change, artificial intelligence, the economy, and nuclear weapons and power. Vivid performative readings of stories from The Ballad of Tam-Lin
to The Terminator demonstrate the insights that storylistening can bring and the ways it might be practised. The book provokes a reimagining of what a public humanities might look like, and shows how the structures and practices of public reasoning can evolve to better incorporate narrative evidence. Storylistening aims to create the conditions in which the important task of listening to stories is possible, expected, and becomes endemic. Taking the reader through complex ideas from different disciplines in ways that do not require any prior knowledge, this book is an essential read for policymakers, political scientists, students of literary studies, and anyone interested in the public humanities and the value, importance, and operation of narratives.

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 practitioners 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.

CD-ROM contains: Eight tracks of different sounds and music that accompany the text.
Learn modern jazz guitar and theory with virtuoso Jens Larsen
Shows how to build a preamp, ring modulator, phase shifter, and other electronic musical devices and provides a basic introduction to working with electronic components
This book is for musical makers and artists who want to gain knowledge and inspiration for your own amazing creations.
“Grumpy Mike” Cook, co-author of several books on the Raspberry Pi and frequent answerer of questions of the Arduino forums, brings you a fun and instructive mix and simple and complex projects to help you understand how the Arduino can work with the MIDI system to create musical instruments and manipulate sound. In Part I you’ll find a set of projects to show you the possibilities of MIDI plus Arduino, covering both the hardware and software aspects of creating musical instruments. In Part II, you learn how to directly synthesize a wave form to create your own sounds with Arduino and concludes with another instrument project: the SpoonDuino. Finally, in Part III, you’ll learn about signal processing with the Arduino Uno and the Due — how to create effects like delay, echo, pitch changes, and realtime backwards audio output. If you want to learn more about how to create music, instruments, and sound effects with Arduino, then get on board for Grumpy Mike’s grand tour with Arduino Music and Sound Projects.

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