

## Electric Guitar Construction A For The First Time Builder

For some, it is not enough to buy a guitar--the challenge of designing and hand-making a unique, customized instrument is the dream. Since 1986, these people have turned to one book: Make Your Own Electric Guitar. Written in a clear, relaxed style, it covers every facet of guitar design and construction, as well as electronic theory and practice, and full woodworking and wiring techniques--all supported with plenty of photos and diagrams. Now in a revised and expanded edition, Make Your Own Electric Guitar will enable any musician or enthusiast with basic woodworking skills to create a uniquely valuable instrument.

"Explains step by step, with almost 600 photos and more than 100 illustrations, how to build an electric guitar"--Back cover.

### ELECTRIC GUITAR SOURCEBOOK

"In The Electric Guitar, scholars working in American studies, business history, the history of technology, and musicology come together to explore the instrument's importance as an invention and its peculiar place in American culture. Documenting the critical and evolving relationship among inventors, craftsmen, musicians, businessmen, music writers, and fans, the contributors look at the guitar not just as an instrument but as a mass produced consumer good that changed the sound of popular music and the self-image of musicians."--BOOK JACKET.

This book tells you everything about building professional electric guitars, from the selection of the wood all the way up to the finishing and the setup. It's all about leaving your dent in the universe in the shape of the most beautiful, incredibly sounding guitar you can make. But building a guitar professionally starts before you even cut the wood: You need to setup a proper workplace, define your identity as guitar maker, and decide the guiding principles of your endeavor as luthier. And then you have to sell the things, of course. So the last part is focused in the marketing process. You will read about positioning your brand, pricing your instruments, photographing them, promoting them, building a great website for your lutherie business, using social networking to show your work to the world, and managing and closing guitar sales. Written by renowned luthier Leo Lospennato (author of the bestseller "Electric Guitar and Bass Design") this book represents the new standard in solid-body guitar making, and the only resource that presents in depth both the technical and commercial aspects of the fascinating art of building musical instruments."

Presents detailed instructions for building a standard 6-string solid body model guitar and bass, using common tools and easy-to-order materials, and providing resources for obtaining electronic components and other hardware. Includes pictures and diagrams of each aspect of the construction: body shape, bridge types, neck and headstock, cutting and shaping, and assembly.

This book explains step by step, with over 1800 photos and more than 600 illustrations how to layout and build your own electric guitar. Build an entire guitar in a small room on a homemade multifunctional work table. Only a router and some easy-to-make jigs are required to prepare the wood.

A basic introduction to the instrument and music-making skills, staff notation and chord theory. Provides step-by-step explanations with images highlighting important detail and technique.

"A guide for the first time builder. The definitive work on the design and construction of a solid body electric guitar." --back cover.

Master guitar maker J.P. Laplante shares the joy of guitar-making in this book. Here is an illustrated step-by-step guide to Building an Electric Archtop Guitar. Building an electric archtop guitar can be a pretty intimidating project but, it becomes much less so if you're guided, step-by-step, through the building process. With almost 20 years of experience in custom guitar making, the author details the step-by-step making of an electric archtop guitar using commercially available laminated top and back plates. Laminated plates have been the standard used on the vast majority of electric archtops since the 50's, and definitely represent a cost and time effective solution, especially for those tackling a first archtop project. Complete and comprehensive, all aspects of the construction are covered, from the initial design stage to the very final setup. The text is supported by over 300 high-resolution colour photographs positioned throughout the 15 chapters of the book. These pictures were taken as the three guitars featured on the back and front cover of the book were being built. For more info/background, visit my website at [www.laplanteguitars.com](http://www.laplanteguitars.com)

(Book). Every guitarist dreams of owning a handmade instrument, but for most, the cost is likely to be prohibitive. The alternative building your own fine guitar is not as difficult as you might imagine, given some skill, patience, and the expert guidance of a master luthier. Every step of construction is fully covered, from choice, selection, and preparation of woods, to consideration of size, bracing, and tonal qualities. Each step of the building sequence is clearly photographed in color, with variations to the standard design shown to enable you to personalize your instrument as you make it. Briston, England-based Jonathan Kinkead has been building guitars for nearly 30 years. His craft is born out of experience and intuition rather than a strict following of technical detail. The resulting beauty of form and distinctive tone have earned him his reputation as one of the world's most respected independent luthiers.

"Renowned luthier John S. Bogdanovich crafted the project shown inside for his own personal use. The design he presents is simple but elegant and is a composite of ideas borrowed from several different guitars admired for their tonal qualities and aesthetic details. In close-up photographs Bogdanovich invites you to stand by his side and follow the entire process from start to finish. He offers guidance through every step, and explains every decision, from the arrangement of his workbench and the selection of the wood, to tuning and setting up the instrument. Bogdanovich also provides a choice of alternative methods and materials -- to help you find your own style of working, and to enable you to add your personal touches to your project. By the time your instrument is finished, you'll have acquired a world of knowledge, from the difference between quartersawn and flat-sawn wood to the pros and cons of lacquer versus French polish. You'll have mastered dozens of skills, including bending and laminating wood and cutting and seating wire frets. Best of all, you'll have a beautiful instrument, designed to your own specifications, that will give pleasure to everyone who hears it." -- Book jacket.

(Book). Backbeat's successful Handbook format applied to the world's most popular instrument. The Electric Guitar Handbook is the latest entry in Backbeat's best-selling handbook series, combining a two-part book and an audio CD in a practical lay-flat binding for ease of reference when playing. Part one of the book examines how different types of electric guitars are made, and why varying construction methods influence the way guitars sound. It also looks at the role of various pieces of guitar hardware, including pick-ups, tremolo set-ups, and bridges. Part two is a comprehensive, user-friendly course in playing the electric guitar, from the basics of posture and hand positioning to music and tab reading and advanced performance. Newly written exercises presented in the book and also on the accompanying CD take the learner through each step in the process, covering styles including rock, country, blues, soul/funk, indie/alternative, and metal. Author Rod Fogg also offers practical advice on everything from simple scales to complex chords, alongside short features introducing key performers and styles.

#### General Reference

Brian May and his father Harold started to hand-build an electric guitar in 1963. Brian dreamed of a guitar that would outperform any of the existing commercially made electric guitars; his father had the technical knowledge and skills to help make the dream come true. The written account is accompanied by original diagrams, sketches and notes dating from the building of the guitar, close-ups and x-rays, and photographs of Brian in performance.

Aiming to take the mystery out of guitar making, this comprehensive book includes step-by-step colour photographs, diagrams and clear instructions for each procedure.

Containing information on design, wood selection, hardware, tools and techniques, it allows you to select almost every element to create your own instrument.

Newly revised and updated, this do-it-yourself primer for owning and maintaining an electric guitar covers a vast array of essential information, including choosing the right guitar, personalizing and improving on a "factory setup," basic guitar electronics, troubleshooting and much more. Original.

The first choice of aspiring guitar makers for more than 30 years For some, it is not enough to buy a guitar--the challenge of designing and hand-making a unique, customized instrument is the dream. Since 1986, these people have turned to one book: *Make Your Own Electric Guitar*. Written in a clear, relaxed style, it covers every facet of guitar design and construction, as well as electronic theory and practice, and full woodworking and wiring techniques--all supported with plenty of photos and diagrams. Now in a revised and expanded third edition, *Make Your Own Electric Guitar* will enable any musician or enthusiast with basic woodworking skills to create a uniquely valuable instrument.

"Guitars inspire cult-like devotion: an aficionado can tell you precisely when and where their favorite instruments were made. And she will likely also tell you about the wood they were made from and its unique effects on the instruments' sound. In *Following Guitars*, Chris Gibson and Andrew Warren trace guitars all the way back to the tree. It is a book about musical instrument making, the timbers and trees from which guitars are made. It chronicles the authors' journeys across the world, to guitar festivals, factories, remote sawmills, Indigenous lands, and distant rainforests, in search of the behind-the-scenes stories of how guitars are made, where the much-cherished guitar timbers ultimately come from, and the people and skills involved along the way. The authors are able to unlock insights on longer arcs of world history: on the human exploitation of nature, colonialism, industrial capitalism, and cultural change. They end on a parable of wider resonance: of the incredible but unappreciated skill and care that goes into growing and felling trees, milling timber, and making enchanted musical instruments; set against the human tendency to reform our use (and abuse) of natural resources only when it appears too late"-- "A hot-rod joy ride through mid-20th-century American history" (The New York Times Book Review), this one-of-a-kind narrative masterfully recreates the rivalry between the two men who innovated the electric guitar's amplified sound—Leo Fender and Les Paul—and their intense competition to convince rock stars like the Beatles, Jimi Hendrix, and Eric Clapton to play the instruments they built. In the years after World War II, music was evolving from big-band jazz into rock 'n' roll—and these louder styles demanded revolutionary instruments. When Leo Fender's tiny firm marketed the first solid-body electric guitar, the Esquire, musicians immediately saw its appeal. Not to be out-manuevered, Gibson, the largest guitar manufacturer, raced to build a competitive product. The company designed an "axe" that would make Fender's Esquire look cheap and convinced Les Paul—whose endorsement Leo Fender had sought—to put his name on it. Thus was born the guitar world's most heated rivalry: Gibson versus Fender, Les versus Leo. While Fender was a quiet, half-blind, self-taught radio repairman, Paul was a brilliant but headstrong pop star and guitarist who spent years toying with new musical technologies. Their contest turned into an arms race as the most inventive musicians of the 1950s and 1960s—including bluesman Muddy Waters, rocker Buddy Holly, the Beatles, Bob Dylan, and Eric Clapton—adopted one maker's guitar or another. By 1969 it was clear that these new electric instruments had launched music into a radical new age, empowering artists with a vibrancy and volume never before attainable. In "an excellent dual portrait" (The Wall Street Journal), Ian S. Port tells the full story in *The Birth of Loud*, offering "spot-on human characterizations, and erotic paeans to the bodies of guitars" (The Atlantic). "The story of these instruments is the story of America in the postwar era: loud, cocky, brash, aggressively new" (The Washington Post).

(Book). Why does an electric archtop sound so different from a solidbody guitar when they have the same strings and pickups? Why does Eric Clapton use a vibrato Stratocaster with the vibrato arm removed and the mechanism blocked off with a piece of wood? Why does a strings-through-body guitar sound brighter than an instrument with the strings anchored at the bridge? The sound of an electric guitar is the sum of many parts. Every component, from the wood in the neck to the metal in the tuners and everything in between including the amount of air in the body affects the overall tone of an instrument. In this book, Dave Hunter looks at the development of the electric guitar since the earliest instruments in the late 1930s, and how, since then, guitar makers and players have sought to define and refine all the elements that create a guitar's tone. This book includes: analysis of the different components that make up a guitar and how each affects the sound of an instrument; chapter-by-chapter breakdown of the main body types, their characteristics, and their strengths and weaknesses; in-depth specifications of over 70 guitars; interviews with significant people in the guitar-making world; audio examples of many of the guitar sounds described in the book. By looking at all the variables involved, this book will set you, the player, on the road to achieving that sound you've always wanted.

Face it, being a rock guitarist is just about the coolest thing you can be – next to a secret agent with a black belt in karate. But even if you were a butt-kicking international person of mystery, playing rock guitar would still be cooler because it involves art, passion, power, poetry, and the ability to move an audience of listeners. Whether "moving your listeners" means mowing down crowd surfers with your power chords or making the audience cry with your sensitive melodies, no other musical instrument allows you so much versatility. Whatever rocks your world, *Rock Guitar For Dummies* can help you bring

that message out through your fingers and onto that electric guitar that's slung over your shoulder. If you're a beginner, you'll discover what you need to know to start playing immediately, without drowning in complicated music theory. If you've been playing for a while, you can pick up some tips to help improve your playing and move to the next level. Here's a sampling of the topics covered in Rock Guitar For Dummies: How electric guitars and amplifiers work Choosing the right guitar and amp for you, and how to care for them Left-hand and right-hand guitar techniques The different styles of rock guitar playing Creating great riffs The history of rock guitar Buying accessories for your new toy Top Ten lists of the guitarists you should listen to, the rock albums you must have, and the classic guitars you should know about Rock Guitar For Dummies also comes with a CD that includes audio of every example shown in the book, plus play-along tracks with a band. So, if you consider yourself an air guitar virtuoso and would like to try the real thing, Rock Guitar For Dummies can help you on your way to becoming an accomplished guitarist. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Contemporary Acoustic Guitar Design and Build is for everyone who wants to understand more about designing and building acoustic guitars using methods based on the acoustical and engineering sciences and contemporary small workshop practices. For the first time, the sound output of a guitar is comprehensively related both theoretically and practically to the instrument's woodwork, providing a logical and scientific method for designing guitars and real answers to questions that have challenged luthiers for centuries. Instruments built using these techniques are measurably more powerful, in-tune, responsive and playable than just about anything for sale in a music store. The differences are immediately audible. First time builders and experts alike will find these volumes invaluable. Building instructions and full sized plans are provided for four different types of guitar. But the real purpose of these volumes is to provide a design and build methodology that will allow the reader to construct just about any type of flat top guitar; the "perfect guitar" for yourself or your customer, using the same techniques that provide the quality and consistency required by pragmatic luthiers who make guitars for a living.

Glen Davis shows you how to turn ordinary construction-grade lumber into a playable electric guitar. This book covers building a body and neck from ordinary lumber, and continues on to more complex tasks of guitar building such as changing the fret scale, installing and leveling frets, and guitar setup. There is something for every aspect of the build, including paint and finish, and design and part choices. This book covers everything you need to build an electric guitar using standard lumber yard materials, and tools that should be in the average home shop. Glen has built and repaired many guitars. This book is an attempt to remove some of the mystery from the process, and make building a guitar possible for anyone who has tools and ability. Over 100 full color pictures.

How to Build Electric Guitars The Complete Guide to Building and Setting Up Your Own Custom Guitar Voyageur Press (MN)

This all-color, fully illustrated practical book brings the unique Haynes 'Build your own' approach to a new audience. Comprehensive step-by-step procedures show both novice and experienced guitarists how to build their very own unique, high-spec custom S-type instrument, tailor-made for their needs, for far less than the cost of buying a factory-built equivalent. Various body, neck and hardware options are covered to suit all requirements, along with advice on how to build a guitar to give the desired sound. Details of fine-tuning, along with set-up advice, helps to ensure that the finished guitar will be a joy to own and play

In the past few years the market for electric guitar kits and parts has exploded. For every two enthusiasts, there are four opinions on how properly to fill woodgrain. In this book, Will Kelly cuts through all that noise and shows how, with a little patience and some inexpensive tools, the average person can turn a modest investment into a gig-worthy instrument and perhaps even a lifelong hobby. Kelly presents guitar-building in a progressive fashion, beginning with a simple Stratocaster-style kit with a bolt-on neck and continuing on to a "relic'd" Telecaster-style build, two Gibson-style set-neck models, and a custom double-neck mash-up. Because each build is more involved than the previous, the reader builds on his or her skill set and acquires only the tools necessary for the reader's level of interest. Kelly shows how to apply finishes, choose and install hardware, wire electronics, execute the final assembly, and set up the finished guitar for proper action and intonation.

(Guitar). The definitive work on the design and construction of an acoustic archtop guitar by one of the most talented luthiers of the twentieth century. Benedetto walks the reader through all aspects of construction through to marketing your finished work. Includes a list of suppliers to acquire all the tools and materials listed; a list of serial numbers for Benedetto guitars; full-color plates featuring the author's models; photos from the author's personal scrapbook of players who endorse his guitars; and fold-out templates for construction. 8-1/2 x 11 .

The Art Of Lutherie offers a glimpse into the mind and craft of luthier Tom Bills, whom many consider to be one of the most talented luthiers today. In this beautifully written and enjoyable read, Tom elegantly and clearly shares his best-kept secrets and methods of custom guitar making - those which make his guitars favorites among top collectors and players. Tom's unique approach to The Art Of Lutherie will empower and inspire you to create more than just a guitar, but a truly unique work of art. The information that is generously shared within this insightful and timeless work is both practical and applicable. It contains the same hard-won wisdom that only comes from years of experience and experimentation that Tom uses in creating his inspiring instruments. Over the years, he has produced instruments considered to be some of the best sounding guitars ever made. Learning the steps of how to build a guitar is important, but understanding why master luthiers take those steps and make those decisions can empower you to make your own educated choices. This will allow you to create unique guitars, and the world needs your art, your guitars - your important contribution. The Art Of Lutherie, a truly unique and inspiring guide, can prepare you to reach new heights when designing and creating unique guitars. It is not often I heap such lavish praise on people; however, Tom is in this case more than deserving: I know of no other luthier whose work I respect more. Tom knows his craft inside and out; he pours his soul into every guitar he makes; he uses cutting-edge science to guide his work, and it shows...as head of Artist Relations and Product Development at Mel Bay, it gives me great pleasure to publish Tom's work, which will no doubt take the art of lutherie to a new level. I hope you'll spend some time soaking in this book - it will certainly augment your musicality - Collin Bay. Includes access to online video

Guitar For Dummies, 4th Edition (9781119293354) was previously published as Guitar For Dummies, 4th Edition (9781119151432). While this version features a new Dummies cover and design, the content is the same as the prior release and should not be considered a new or updated product. The bestselling guide now updated with video demonstrations and audio tracks online The guitar is one of the most versatile instruments in the world, which is why it's so appealing to musicians. Guitar For Dummies, 4th Edition gives you everything a beginning or intermediate acoustic or electric guitarist needs: from buying a guitar to tuning it, playing it, and caring for it. Fully revised and updated, with online video and audio clips that help you learn and play along, you'll explore everything from simple chords and melodies to more challenging exercises that are designed to satisfy players of all levels. Additionally, new players can dive into the basics of guitar and accessory selection. Whether you prefer the cool sounds of the acoustic or the edgier tones of the electric, your guitar will get a lot of use as you play your way through the lessons presented in this integral book. But your journey doesn't stop at the last page! With an updated multimedia component, you have access to more than 80 online videos and 35 audio tracks that help build your talent. Play along with online videos and audio tracks to develop and reinforce your new skills Tune your guitar, change strings, and make simple repairs to keep your instrument in working order Choose the right guitar and equipment for your needs Explore numerous musical styles, including rock, blues, jazz, and country Guitar For Dummies, 4th Edition guides you in the development of your strumming talent—and who knows where that can take you!

Part of Jonny Blackwood's "Easy Guide" Series, "How to Build and Setup Guitar Kits like a Pro" is a clear, concise, step-by-step manual written for those with little guitar building experience. With simple

directions and over 130 photos, you will gain the understanding needed to assemble and setup bolt-on guitar kits with great results! Included in the book: A 9-step method on assembling bolt-on style guitars; Tips and tricks to save you time and headaches; Guidance on sanding, finishing & more; Proper soldering technique explained; Scale length explained Guitar electronics explained; How to effectively shield the instrument; Popular wiring modification suggestions; Links to online wiring and setup methods from Fender and others; Simple setup instructions for strat and tele-style guitars; How to restring properly; How to adjust truss rods for optimal neck bow; How to shim necks and adjust neck tilt; How to adjust bridge angle on tremolo equipped guitars; How to adjust intonation; How to file nut slots; And more!

This is the story of how Les Paul created the world's first solid- body electric guitar, countless other inventions that changed modern music, and one truly epic career in rock and roll. How to make a microphone? A broomstick, a cinderblock, a telephone, a radio. How to make an electric guitar? A record player's arm, a speaker, some tape. How to make a legendary inventor? A few tools, a lot of curiosity, and an endless faith in what is possible. Featuring richly detailed, dynamic illustrations by Brett Helquist, this unforgettable biography will resonate with inventive readers young and old.

Are you ready to design the ax of your dreams? Unlike other DIY guitar making sources (which deal with woodworking, mostly) this book focuses on how to achieve astonishing looks, excellent playability and a killer sound. Written collaboratively with top luthiers from the U.S. and Europe, this inspiring book covers in depth each aspect of electric guitar design, plus topics not found on other sources, like: - How to design a classic, how to design a radical - Thousand-year wisdom applied on Stratocasters and Les Pauls - Secrets of sustain - How to create a well balancing guitar - Ergonomics - How to choose, match and place pickups - Control design - The 4 laws of wood selection ... And much more. These 220 pages will have you making sketches from the first read!

A uniquely engaging description of the mechanics of the guitar, for engineers and craftsmen alike. Clearly written in a conceptual language, it provides readers with an understanding of the dynamic behavior of the instrument, including structural and component dynamics, and various analytical models, such as discrete, finite element, and boundary element models. The text also covers manufacturing processes, including both handmade and mass produced instruments.

If you think that making a guitar is impossible, then this book is for you. The only one of its' kind, this book will teach you how to make a laminated archtop guitar. It can be done in a relatively small space and does not require many tools or expensive machinery, just a desire to do it. The book came about as the result of a suggestion and urging of my friend, Bob Benedetto. Because no other book is available for this type on construction, it is written in an easy to understand format and is priced so that almost anyone can afford it. It contains drawings and pictures with step by step easy to follow instructions so as to eliminate any guesswork. This book took four years to complete and is designed to help someone who wants to make this kind of guitar. It should serve as an excellent guide.

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