

Vectorworks Guide

The next frontier for wireless LANs is 802.11ac, a standard that increases throughput beyond one gigabit per second. This concise guide provides in-depth information to help you plan for 802.11ac, with technical details on design, network operations, deployment, and monitoring. Author Matthew Gast—an industry expert who led the development of 802.11-2012 and security task groups at the Wi-Fi Alliance—explains how 802.11ac will not only increase the speed of your network, but its capacity as well. Whether you need to serve more clients with your current level of throughput, or serve your existing client load with higher throughput, 802.11ac is the

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solution. This book gets you started. Understand how the 802.11ac protocol works to improve the speed and capacity of a wireless LAN Explore how beamforming increases speed capacity by improving link margin, and lays the foundation for multi-user MIMO Learn how multi-user MIMO increases capacity by enabling an AP to send data to multiple clients simultaneously Plan when and how to upgrade your network to 802.11ac by evaluating client devices, applications, and network connections Illustrated Theatre Production Guide delivers a step-by-step approach to the most prevalent and established theatreproduction practices, focusing on essential issues related to the construction of

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wooden, fabric, plastic, and metal scenery used on the stage. A must-have resource for both the community theatre worker who must be a jack of all trades and the student who needs to learn the fundamentals on his or her own, it covers the necessities in great detail, without bogging you down. Offering techniques and best-practice methods from an experienced industry expert, it will allow you to create a foundation on which to build a successful and resourceful career behind the scenes in theatre production. This third edition has been completely restructured to more effectively lead you through the basics of stagecraft. Through detailed lessons and hundreds of drawings, author John Holloway offers you

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solutions to the problems that you'll face every day in a production, from rigging to knot tying. New to this edition are guides to jobs in theatre, construction documentation, and video projection methods, with expanded information on Thrust Theatres, lighting, audio and video practices.

This practical book looks at the types of drawing used, equipment, materials commonly specified, surveying, and also covers building floors, flats, cloths, windows, doors, trucks, staircases, roofs, revolves, multi-story structures, and bridges. By addressing both theater and the commercial world this book will be of real help to a broad range of people in the theater industry.

An Introduction & Beyond to

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Vectorworks

User Guide

Object Based CAD for

Professionals : User's Manual

Unmasking Theatre Design: A

Designer's Guide to Finding

Inspiration and Cultivating

Creativity

VectorWorks 10 for Windows and

Macintosh

Urban Sketching and Concept

Drawing for Designers

**Discover BIM: A better way
to build better buildings**

Building Information

Modeling (BIM) offers a

novel approach to design,

construction, and facility

management in which a

digital representation of the

building product and

process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. The BIM Handbook, Third Edition provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. Updates to

this edition include:
Information on the ways in which professionals should use BIM to gain maximum value
New topics such as collaborative working, national and major construction clients, BIM standards and guides
A discussion on how various professional roles have expanded through the widespread use and the new avenues of BIM practices and services
A wealth of new case studies that clearly illustrate exactly how BIM is applied in a wide variety of conditions
Painting a colorful and

thorough picture of the state of the art in building information modeling, the BIM Handbook, Third Edition guides readers to successful implementations, helping them to avoid needless frustration and costs and take full advantage of this paradigm-shifting approach to construct better buildings that consume fewer materials and require less time, labor, and capital resources.

Drafting Fundamentals for the Entertainment Classroom: A Process-Based Introduction to Hand

Drafting, Vectorworks, and SketchUp guides students through a syllabus-formatted semester of integrated drafting concepts and skills. This book links beginner visualization practices with fundamental software knowledge through step-by-step exercises and examples. By presenting hand drafting and Vectorworks through incremental exercises, students not only gain an understanding of the tools used in drafting but also learn why the tools, practices, and standards

exist in the first place. SketchUp, a user-friendly 3D modeling program, is integrated into the various exercises to help readers visualize concepts and begin modeling their own ideas. By the end of the book, students will understand drawing construction techniques, United States Institute for Theatre Technology (USITT)-recommended graphic standards, and the typical drawings created for entertainment design, preparing them to dive more deeply into the further complexities and

opportunities of Vectorworks and SketchUp. Drafting Fundamentals for the Entertainment Classroom is written to complement a 14- or 15-week semester of an Entertainment Drafting course. The book's format also provides structure for independent and self-directed study. The bestselling CAD software on the Mac and an industry-standard on Windows, VectorWorks 10 includes a slew of new enhancements to its robust 2D drafting and 3D modeling tools. This guide

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will help readers get up to speed on all of these features quickly. Updated to reflect the program's streamlined interface and tools, with a step-by-step task-based reference that explains the new Resource Browser.

**Stage Lighting: The Technicians' Guide
Architect Australia & NZ :
Version 11 User's Guide
Using Vectorworks to Design and Document
Scenery, Lighting, Rigging and Audio Visual Systems
An On-the-job Reference Tool with Online Video Resources - 2nd Edition**

Innovative Vectorworks BIM

802.11ac: A Survival Guide

3500 photographs. Over 380 genera. More than 3700 species and cultivars. With Dirr's Hardy Trees and Shrubs and Dirr's Trees and Shrubs for Warm Climates, Michael Dirr set the gold standard for horticultural reference. This season, Timber Press is proud to publish his seminal work, Dirr's Encyclopedia of Trees and Shrubs, the most comprehensive visual reference on this important subject. From majestic evergreens to delicate vines and flowering shrubs, Dirr features thousands of plants

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and all the essential details for identification, planting, and care, plus full-color photographs showing a tree's habit in winter, distinctive bark patterns, fall color, and more. In a class by itself for its quality of information, the best researched recommendations for hardiness in the industry, beautiful photography, and Dirr's own preeminence as a master plantsman, Dirr's Encyclopedia of Trees and Shrubs is a critical addition to any garden library.

The Vectorworks Essentials Tutorial manual by expert

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Vectorworks trainer Jonathan Pickup is a must-have workbook for anyone new to Vectorworks. The goals of this manual are to eliminate the mystery of computer aided design and to provide a basic understanding of how to use Vectorworks software. Vectorworks for Entertainment Design is the first book in the industry tailored for the entertainment professional. This second edition has been extensively revised and updated, covering the most current details of the Vectorworks software for scenery, lighting, sound, and rigging. With a focused look at the production

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process from ideation to development to documentation required for proper execution, the book encourages readers to better create their own processes and workflows through exercises that build on one another. This new edition introduces Braceworks, SubDivision modeling, and scripting using the Marionette tool, and covers new tools such as Video Camera, Deform Tool, Camera Match, Schematic Views, and Object Styles. Fully illustrated with step-by-step instructions, this volume contains inspirational and aspirational work from

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Broadway, Concerts, Regional Theatre, Dance, and Experiential Entertainment. Exploring both the technical how-to and the art of design, this book provides Theatre and Lighting Designers with the tools to learn about the application and use it professionally. Vectorworks for Entertainment Design also includes access to downloadable resources such as exercise files and images to accompany projects discussed within the book. VectorWorks for Beginners Scenery Vectorworks Essentials - 7th Edition The Vectorworks UK BIM Guide

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2016

Freehand Drawing and
Discovery

The Freelancer's Guide to
Corporate Event Design: From
Technology Fundamentals to
Scenic and Environmental
Design

First Published in 2010.

Routledge is an imprint of Taylor
& Francis, an informa company.

This invaluable guide takes a
step-by-step approach to the
most common and popular
theatre production practices
and covers important issues
related to the construction of
wooden, fabric, plastic, and
metal scenery used on the
stage. This new edition of the

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Illustrated Theatre Production Guide uniquely shows you how to build scenery through detailed lessons and hundreds of drawings. The illustrations make this book like no other and offers solutions to problems that you face, from rigging and knot tying, to drapery folding and the most detailed information on metal framing available. Written for the community theatre worker who has to be a jack of all trades and the student who needs to learn the fundamentals, respected author John Holloway teaches in a way that covers the necessities but doesn't bog you

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down with heavy language and boring verbosity. New features in this book range from expanded information on metal framing and foam construction to brand new elements such as a chapter on stage management and an extremely helpful Website with videos -- meant to go along with the informative section on projects. These videos take you from the drawings and descriptions in the book to the video instructions that will help you learn visually. A must have for the theatre professional as a guide to refer back to over and over again. This practical guide covers all

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aspects of stage lighting equipment, special effects, lighting a performance space and lighting design. It is well illustrated with examples of equipment, diagrams, plans and technical data. It also features the work of current lighting designers. The associated video content shows the practical use of equipment and different lighting techniques and effects. It provides easy access to the content through the use of tabulated sections and keyword headings. The information in each chapter is presented at three levels which run visually throughout the guide enabling

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students to mix and match their own personal level of study or for practitioners to fast track through to the information they need on stage. This new and revised second edition brings the guide right up to date, and includes all new material on the development of LED lighting in recent years, as well as online video resources.

Vectorworks Essentials, 6th Edition

Vectorworks for Entertainment Design

User's Guide

Wi-Fi at Gigabit and Beyond

VectorWorks Architect Australia & NZ 12

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Draughting and Construction for
Theatres, Museums, Exhibitions
and Trade Shows

*Freelancer's Guide to Corporate
Theatre and Event Production
(tentative title) will bring you up
to speed on the ever changing
and growing industry of
Corporate Theatre. Written by
one of the industry's leading
designers, this book uses a
candid and straight-forward style
to guide you through the process
of designing a successful event.
Learn the fundamentals of venue
selection, rigging, lighting, audio,
video, and scenic design with
informative diagrams and
detailed illustrations. With the*

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help of this book you will learn how to plan, design, and execute events of any size. Additionally, you will be armed with a strong knowledge of common mistakes, tips and tricks, and industry standards that will allow you to build and train a production team prepared for just about anything. Architectural Graphics focuses on the techniques, methodologies, and graphic tools used in conveying architectural ideas. The book takes a look at equipment and materials, architectural drafting, and architectural drawing conventions. Discussions focus on drawing pencils, technical

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drawing pens, set squares/templates, circle templates/compasses, line weight/line types, drafting technique, drawing circular elements, floor plan, doors and windows in plan, stairs, wall indications, plan grids, and site boundaries. The manuscript examines rendition of value and context and graphic symbols and lettering. Topics include tonal values, media and techniques, value/texture rendition, material rendition, shades and shadows, people, furniture, graphic representation symbols, and hand lettering. The text explores freehand drawing and

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architectural presentations, including freehand sketching, graphic diagramming, and sketching equipment. The publication is a valuable reference for architects interested in doing further studies in architectural graphics. "The BIM Handbook presents the technology and processes behind BIM and how architects, engineers, contractors and sub-contractors, construction and facility owners (AECO) can take advantage of the new technology and work process. Unlike CAD, BIM is a major paradigm shift in the documentation, work processes and exchange of

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project information. It facilitates collaboration and further automation, in both design and construction. AEC professionals need a handbook to guide them through the various BIM technologies and related processes. The collaborative nature of BIM requires professionals to view BIM from various industry perspectives and understand how BIM supports multiple project participants. The BIM Handbook reviews BIM processes and tools from multiple perspectives: the owner, architects and engineers, contractors, subcontractors and fabricators"--

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*Vectorworks Essentials - 8th
Edition*

*Dirr's Encyclopedia of Trees and
Shrubs*

VectorWorks

Version 10 User's Guide

Architectural Graphics

*The Business of Theatrical
Design, Second Edition*

The most up-to-date, comprehensive guide to DataCAD Written for the new 9.0 release by DataCAD staff, the hands-on Official Datacad User's Guide puts at your fingertips a complete A to Z guide to the use of this single most popular architecture-specific CAD program. Authors Michael Smith, Richard Morse, and Shelly Flanigan provide you with a tool that clarifies new features of the

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software, include the ability to externally reference other drawing files(XREF) and open multiple documents at the same time for cutting and pasting. Among the topics you'll find fully examined are: DataCAD: Settings and display options...printing and plotting 2D: Moving objects...editing...basic and advanced construction drawings... making difficult or repetitive tasks easier...templates and symbols 3D: Basic 3D modeling...creating 3D from 2D...advanced 3D modeling...construction drawings from 3D models...construction estimator module Plus: Techno Files...Customizing DataCAD...Recommended Macros Communicating from DataCAD into AutoCAD and other Programs: Converting File formats...Networking

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More

The first book in the industry tailored specifically for the entertainment professional, *Vectorworks for Entertainment Design* covers the ins and outs of Vectorworks software for lighting, scenic, and sound design. With a detailed look at the design process, from idea to development, to the documentation necessary for execution, *Vectorworks for Entertainment Design* will encourage you to create your own process and workflow through exercises that build on one another. The text stresses the process of developing an idea, visualizing it, and evolving it for presentation, documentation, or drafting. The author focuses on both the technical how-to and the art of design, giving you the tools you need to learn and then use the application

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professionally. Fully illustrated with step-by-step instructions, it contains inspirational work from Broadway, major regional companies, and non-theatrical, entertainment design. In the first edition of *A Practical Guide to Stage Lighting*, Steve Shelley cracked open his production book and showed how to prepare a lighting design and create the paperwork needed to mount a production. In the second edition, he pulled back the curtain and showed the methods and processes that go on before the light plot is finalized and ready to go into the shop, even dealing with cutting the plot in half. In this third edition, Shelley throws the door wide open and shows step-by-step how to construct every lighting system in the Hokey light plot. Combining his diacritical analysis, killer drafting, and analytic use of the

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Slinky Method and Slinky Calculations, he presents the Periodic Table of Fundamental Lighting Systems and shows the basic methods used to create multi-instrument lighting systems. Highlights include: -Over 100 new topics, including analysis and application of the three categories of collaboration; a detailed examination of production meetings and one-on-one meetings; and meeting checklists with management and the creative team. -Over 50 new illustrations, including Shelley's Periodic Table of Fundamental Lighting Systems; groundplans, sections, and front elevations that illustrate basic system wash configurations for each direction of light. -Analysis, calculation, and step-by-step technical construction of each lighting system in the Hokey light plot. -Explanation of a manufacturer's cut

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sheet, and how to apply basic formulas to determine the beam size, footcandles, and gel transmission for lighting instruments. -Updated process of pre-programming computer lighting consoles prior to the load-in.

-Comprehensive overview of archiving paperwork and softcopy for a production.

Illustrated Theatre Production Guide

Vectorworks Essentials Tutorial

Manual

VectorWorks User's Guide

Official DataCAD User's Guide

(Starburst 9.0)

grepen uit het werk der Communisten

in het eerste oorlogsjaar : wat "De

Waarheid" schreef van October 1940

tot Juni 1941

Vectorworks Architect

*Every great design has its
beginnings in a great*

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idea, whether your medium of choice is scenery, costume, lighting, sound, or projections. Unmasking Theatre Design shows you how to cultivate creative thinking skills through every step of theatre design - from the first play reading to the finished design presentation. This book reveals how creative designers think in order to create unique and appropriate works for individual productions, and will teach you how to comprehend the nature of the design task at hand,

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gather inspiration, generate potential ideas for a new design, and develop a finished look through renderings and models. The exercises presented in this book demystify the design process by providing you with specific actions that will help you get on track toward fully-formed designs. Revealing the inner workings of the design process, both theoretically and practically, Unmasking Theatre Design will jumpstart the creative processes of designers at

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all levels, from student to professionals, as you construct new production designs.

VectorWorks 10 for Windows and Macintosh Visual QuickStart Guides

Written by a leading design consultant and carefully updated with the latest information on the industry, this is the essential guide to earning a living, marketing skills, furthering a design career, and operating a business. With more than thirty years of backstage and behind-the-scenes experience in

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theater, film, television, concerts, and special events, James Moody shares his success secrets for the benefit of design students and working designers. Topics include: Finding and landing dream assignments Negotiating fees Setting up ideal working spaces Building the perfect staff Overcoming fears of accounting and record-keeping Choosing the right insurance Joining the right unions and professional organizations And more In addition to revealing how to get the

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great design jobs in traditional entertainment venues, the author shows designers how to think outside the box and seize creative, lucrative opportunities—such as those in theme parks, in concert halls, and with architectural firms. Providing the keys for passionate, talented designers to become successful businesspeople, The Business of Theatrical Design is a must-read for novices and established professionals alike.

*Tutorial Manual
Guide to Graphics Software*

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Tools

BIM Handbook

Vectorworks Landmarks

Landmark : Version 11

User's Guide

Illustrated Case Studies

with 50 Tips and Tricks

for Vectorworks Architect

Beginning and experienced programmers will use this comprehensive guide to persistent memory programming. You will understand how persistent memory brings together several new software/hardware requirements, and offers great promise for better performance and faster application startup times—a huge leap forward in byte-addressable capacity compared with current DRAM

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offerings. This revolutionary new technology gives applications significant performance and capacity improvements over existing technologies. It requires a new way of thinking and developing, which makes this highly disruptive to the IT/computing industry. The full spectrum of industry sectors that will benefit from this technology include, but are not limited to, in-memory and traditional databases, AI, analytics, HPC, virtualization, and big data. Programming Persistent Memory describes the technology and why it is exciting the industry. It covers the operating system and hardware requirements as well as how to create development environments

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using emulated or real persistent memory hardware. The book explains fundamental concepts; provides an introduction to persistent memory programming APIs for C, C++, JavaScript, and other languages; discusses RMDA with persistent memory; reviews security features; and presents many examples. Source code and examples that you can run on your own systems are included. What You'll Learn Understand what persistent memory is, what it does, and the value it brings to the industry Become familiar with the operating system and hardware requirements to use persistent memory Know the fundamentals of persistent memory programming:

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why it is different from current programming methods, and what developers need to keep in mind when programming for persistence

Look at persistent memory application development by example using the Persistent Memory Development Kit (PMDK)

Design and optimize data structures for persistent memory

Study how real-world applications are modified to leverage persistent memory

Utilize the tools available for persistent memory programming, application performance profiling, and debugging

Who This Book Is For C, C++, Java, and Python developers, but will also be useful to software, cloud, and hardware architects

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across a broad spectrum of sectors, including cloud service providers, independent software vendors, high performance compute, artificial intelligence, data analytics, big data, etc.

Features access to video tutorials! Designed to help architects, planners, and landscape architects use freehand sketching to quickly and creatively generate design concepts, *Freehand Drawing and Discovery* uses an array of cross-disciplinary examples to help readers develop their drawing skills. Taking a "both/and" approach, this book provides step-by-step guidance on drawing tools and techniques and offers practical suggestions on how to use these

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skills in conjunction with digital tools on real-world projects. Illustrated with nearly 300 full color drawings, the book includes a series of video demonstrations that reinforces the sketching techniques.

Today, many scientists in different disciplines realize the power of graphics, but are also bewildered by the numerous graphics tools. More often than not, they choose the improper software tools and end up with unsatisfactory results. This book introduces and categorizes the most commonly used graphics tools and their applications. The purpose is not to provide an exhausting list of tools and their explicit functions, but rather to provide scientific

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researchers with different means and application areas in computer graphics, so as to help them efficiently use visualization, modeling, simulation, and virtual reality to complement their research needs. This guide includes coverage of the most widely used commercial software, freeware and open-source software.

A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors

The Works Manual, Version 8
Version 10 [manual]

Drafting Fundamentals for the Entertainment Classroom

A Practical Guide to Stage Lighting