

### LED TV

Chassis: U78A U78B

UE32EH5300 UE32EH5300W UE37EH5300 UE40EH5300 UE40EH5300W UE46EH5300 UE46EH5300W UE32ES5700 UE37ES5700 UE40ES5700 UE46ES5700 UE50ES5700 UE50ES5700S UE50ES5705 UE26EH4500 UE26EH4500W UE26EH4510 UE26EH4510WUE22ES5400 UE22ES5400W UE22ES5410WUE32EH5450W UE40EH5450W UE46EH5450WUE50EH5300 UE50EH5300K UE50EH5300WUE32ES5500 UE32ES5500W UE32ES5500K UE32ES5505 UE32ES5800UE32ES5800S UE37ES5500 UE37ES5500K UE37ES5500W UE46ES5505 UE46ES5505K UE50ES5500W UE50ES5500W UE50ES5505 UE46ES5505K UE50ES5500W UE50ES5505 UE46ES5505K UE50ES5500W UE50ES5500W UE50ES5505 UE46ES5505K UE50ES5505K UE50ES5505 UE50ES5505K UE50ES550K UE50ES550K UE50E

# SERVICE Manual

#### LED TV



- 1. Precautions
- 2. Product specifications
- 3. Disassembly and Reassembly
- 4. Troubleshooting
- 5. Wiring Diagram
- 46

Technical Training Course (PPT)

## **Lcd Tv User Manual Samsung**

**Leo McCann** 

#### **Lcd Tv User Manual Samsung:**

The Screen Media Reader Stephen Monteiro, 2017-01-12 Offers key historical and interpretative texts on the development and role of the screen in communications and the social sphere The Complete Idiot's Guide to Search Engine Optimization Michael Miller, 2009 Most businesses depend on their rankings on Google Yahoo and other search engines to drive traffic to their websites The higher a business s ranking the more traffic its site gets Where does a webmaster or online market manager go for advice and instruction on optimizing a business s website for higher search engine rankings The few search engine optimization SEO books currently on the market are dated and do not cover the latest local mobile and social marketing techniques The Complete Idiot's Guide to Search Engine Optimization is a comprehensive up to date easy to use quide for SEO It starts with a general overview of how search engines and SEO work and then flows into specific techniques for basic website optimization It addresses the analysis and ongoing maintenance of a site s optimization and finishes with a look at how search engine marketing fits within a company's overall online marketing plan In The Complete Idiot's Guide to Search Engine Optimization readers learn How search engines and SEO work How to optimize your site's keywords tags and design How to optimize the links to your site local and mobile searches and social media How to apply the strategies to a blog and web videos for search engines How to use third party SEO tools How search engine marketing fits within a company s overall online marketing plan International and Comparative Business Leo McCann, 2013-11-14 Erudite and accessible McCann demonstrates how the national gets reconfigured around the global without losing some of its unique features Far from being a one size fits all Anglo American template neoliberalism comes in many different hues and variations This is by far the best textbook in the field and is destined to become a classic for years to come Manfred B Steger Professor of Political Science at the University of Hawai i Manoa Honolulu Hawai i USA A sweeping examination of systems of capitalism in theory and in the world's major industrial economies leads Leo McCann to challenge the conventional wisdom on globalization Historical analysis of the evolution of business systems and detailed examination of present practice demonstrate persuasively that despite facing common challenges distinctive national differences remain salient A must read for anyone who needs to understand how business systems operate in an increasingly interdependent world economy Dr Eileen Appelbaum Senior Economist Center for Economic and Policy Research Washington DC USA Globalization has profound effects on national economies even as distinct national models of capitalism remain International and Comparative Business accessibly tracks the historical and socio political contexts of the world's major countries on a chapter by chapter basis to the present day The book provides a comprehensive critical yet concise introduction to each of the economies key features including macro overviews as well as organizational and workplace level analysis Each chapter features learning objectives in depth interpretation and critique of key literature and annotated further reading to allow readers to rigorously navigate their way through the wealth of material available for each country This text is essential reading for students and

researchers in the areas of international business and cross cultural management comparative political economy and history Leo McCann is Senior Lecturer in International and Comparative Management at Manchester Business School University of Manchester UK Newnes Guide to Television and Video Technology K. F. Ibrahim, 2007-09-14 Newnes Guide to Television and Video Technology provides a full and comprehensive coverage of video and television technology including the latest developments in display equipment HDTV and DVD Starting with TV fundamentals the bulk of the book covers the many new technologies that are bringing growth to the TV and video market such as plasma and LCD DLP digital light processing DVD Blu ray technology Digital television High Definition television HDTV and video projection systems For each technology a full explanation is provided of its operation and practical application supported by over 300 diagrams including schematic diagrams of commercially available consumer equipment Where relevant testing and fault finding procedures are outlined together with typical fault symptoms supported by photographs The new edition has a number of useful appendices on microcomputer microcontroller systems test instruments serial buses I2C and RS 232 teletext and error correction techniques The book is intended for students of electronics and practicing engineers In particular it will useful for students on vocational courses and service engineers as well as enthusiasts. The definitive guide to the new technologies transforming the world of television HDTV Digital TV DVD recorders hard disk recorders wide screen CRT flat screen technologies and others A practical approach including troubleshooting and servicing information Covers UK European and North American HWM ,2003-10 Singapore s leading tech magazine gives its readers the power to decide with its informative systems Global Macrotrends and Their Impact on Supply Chain Management Chad W. articles and in depth reviews Autry, Mark A. Moon, 2016-01-29 High Value Supply Chain Integration New research practical priorities actionable solutions Master new best practices for integrating demand supply and partners worldwide Bridge key integration gaps to maximize customer value and profit Improve performance in areas ranging from resource availability to returns From leading supply chain integration experts at the University of Tennessee's Haslam College of Business In volatile global environments only well integrated organizations can deliver superior customer outcomes and sustained profitability Supply chain practitioners are on the frontlines of integration they must bring together functions ranging from sales to logistics and a world of third party suppliers Integration is not easy but proven solutions exist In Achieving Supply Chain Integration leading experts reveal what works and how to make it work The authors and contributors clarify what supply chain integration really means and why it s even more crucial than many companies realize You ll learn how to manage core conflicts that make integration difficult so you can maximize value to both customers and your organization You ll find example based research driven insights for both internal and external integration addressing issues ranging from culture to financial metrics The authors share practical guidance on everything from building more innovative partner relationships to avoiding raw material shortages Whatever your supply chain or operations responsibilities you need to integrate more effectively and this guide will help you do it Supply chain integration can ensure a smoother more efficient flow of products and enable access to third party resources and capabilities that would be costly or impossible to build internally However successful integration has proven challenging especially as supply chains evolve to encompass even more external partners Achieving Supply Chain Integration shows how to prioritize which processes and functions to integrate and select integration strategies likely to deliver the greatest performance benefits Drawing on actual successes and failures UT s researchers illuminate best practices and common mistakes They present proven approaches to integrating sales marketing core supply chain functions such as procurement and logistics and widely diverse partner relationships Whether you re a practitioner or student this guide will help you approach integration projects with eyes open so you can mitigate risks and maximize value Understanding what integration is and isn t and why it matters so much Bridging the integration gap to maximize value creation Fully leveraging information in internal and external integration Driving more value by integrating purchasing and logistics Aligning market environmental social and political strategies Achieving deeper demand supply integration Reducing product returns through better internal integration Building more innovative collaborative supplier relationships

Handbook on the Geographies of Innovation Richard Shearmur, Christophe Carrincazeaux, David Doloreux, 2016-11-25 The geography of innovation is changing Firstly it is increasingly understood that innovative firms and organizations exhibit a wide variety of strategies each differently attuned to diverse geographic contexts Secondly and concomitantly the idea that cities clusters and physical proximity are essential for innovation is evolving under the weight of new theorizing and empirical evidence The aim of this handbook is to break with the many ideas and concepts that emerged during the course of the 1980s and 1990s and to fully take into account the new reality of the internet mobile communication technologies personal mobility and globalization The handbook gathers a new generation of ideas and authors to contribute to the debate providing an empirically grounded critical appraisal of the prevailing knowledge on the geography of innovation The 28 original chapters written by a diverse range of scholars with widely differing views present fresh empirical evidence and new perspectives relating to how innovation plays out across space in an age where mobility has increased information is ubiquitous and globalisation has been realised Overall the dialogue between existing theory and new possibilities provides a unique and challenging appraisal of the connection between innovation agglomeration and space Offering cutting edge ideas in an accessible format this will be an ideal resource for students and scholars of economic geography and innovation studies The empirical evidence and analysis will also be of great value for policymakers and government officials Contributors include B T Asheim H W Aslesen A Bain P A Balland N Bradford A Bramwell C Brennan Horley S Breschi C Carraincazeaux C Chaminade R Comunian C De Fuentes D Doloreux D Eckert A Faggian M Ferru R D Fitjar K Flanagan C Gibson M Grillitsch M Grossetti G Harirchi F Huber A Isaksen S Jewel J Karlsen N Komninos J L Klein N Lee F Lissoni M Maisonobe J Mattes P McCann C T Noumedem R Ortega Argil s M Plechero A Rallet A Rodriguez Pose R

Shearmur H L Smith B Spigel J Tallec E Tranos D G Tremblay F T dtling M Trippl E Uyarra C Yang C Wilkie D A Wolfe

Building Network Capabilities in Turbulent Competitive Environments Paul Hong, Young Won Park, 2014-12-19 Brazil

Russia India and China BRIC are among the largest and fastest growing economies in the world The enormous size of the

customer base in these emerging markets is the strategic concern of global business firms Successful market performance in
these markets requires sound understanding of dynamic environmental factors and timely investme

BeLight Vol. 03,

Basic Research And Industrial Innovation In China Xielin Liu, Yubing He, Peng Cheng, 2018-10-31 Chinese enterprises have relied on importing technology and imitation as their main technology strategies in the past Based on analysis of cross countries case studies and the history of industrial innovation the authors proposed the concept of industry driven basic research and expounds the important role of scientific discovery in industrial technological innovation They are convinced that both the government and enterprises should focus on industry driven basic research in order to bridge the gap between the government's target and what enterprises actually do in China The challenge remains to be seen if China can transform Science and technology investment into real industrial innovation capability

Embark on a transformative journey with Written by is captivating work, Discover the Magic in **Lcd Tv User Manual Samsung**. This enlightening ebook, available for download in a convenient PDF format, invites you to explore a world of boundless knowledge. Unleash your intellectual curiosity and discover the power of words as you dive into this riveting creation. Download now and elevate your reading experience to new heights.

 $\underline{https://staging.conocer.cide.edu/data/Resources/default.aspx/firsttime\_father\_pergnancy\_birth\_and\_starting\_out\_as\_a\_dad.pdf$ 

#### **Table of Contents Lcd Tv User Manual Samsung**

- 1. Understanding the eBook Lcd Tv User Manual Samsung
  - The Rise of Digital Reading Lcd Tv User Manual Samsung
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Lcd Tv User Manual Samsung
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Lcd Tv User Manual Samsung
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Lcd Tv User Manual Samsung
  - Personalized Recommendations
  - Lcd Tv User Manual Samsung User Reviews and Ratings
  - Lcd Tv User Manual Samsung and Bestseller Lists
- 5. Accessing Lcd Tv User Manual Samsung Free and Paid eBooks
  - Lcd Tv User Manual Samsung Public Domain eBooks
  - Lcd Tv User Manual Samsung eBook Subscription Services

- Lcd Tv User Manual Samsung Budget-Friendly Options
- 6. Navigating Lcd Tv User Manual Samsung eBook Formats
  - ∘ ePub, PDF, MOBI, and More
  - Lcd Tv User Manual Samsung Compatibility with Devices
  - Lcd Tv User Manual Samsung Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Lcd Tv User Manual Samsung
  - Highlighting and Note-Taking Lcd Tv User Manual Samsung
  - Interactive Elements Lcd Tv User Manual Samsung
- 8. Staying Engaged with Lcd Tv User Manual Samsung
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Lcd Tv User Manual Samsung
- 9. Balancing eBooks and Physical Books Lcd Tv User Manual Samsung
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Lcd Tv User Manual Samsung
- 10. Overcoming Reading Challenges
  - o Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Lcd Tv User Manual Samsung
  - Setting Reading Goals Lcd Tv User Manual Samsung
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Lcd Tv User Manual Samsung
  - Fact-Checking eBook Content of Lcd Tv User Manual Samsung
  - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
- 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

#### **Lcd Tv User Manual Samsung Introduction**

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Lcd Tv User Manual Samsung free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Lcd Tv User Manual Samsung free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF," users can find websites that offer free PDF downloads on a specific topic. While downloading Lcd Tv User Manual Samsung free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Lcd Tv User Manual Samsung. In conclusion, the

internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Lcd Tv User Manual Samsung any PDF files. With these platforms, the world of PDF downloads is just a click away.

#### **FAQs About Lcd Tv User Manual Samsung Books**

What is a Lcd Tv User Manual Samsung PDF? A PDF (Portable Document Format) is a file format developed by Adobe that preserves the layout and formatting of a document, regardless of the software, hardware, or operating system used to view or print it. How do I create a Lcd Tv User Manual Samsung PDF? There are several ways to create a PDF: Use software like Adobe Acrobat, Microsoft Word, or Google Docs, which often have built-in PDF creation tools. Print to PDF: Many applications and operating systems have a "Print to PDF" option that allows you to save a document as a PDF file instead of printing it on paper. Online converters: There are various online tools that can convert different file types to PDF. How do I edit a Lcd Tv User Manual Samsung PDF? Editing a PDF can be done with software like Adobe Acrobat, which allows direct editing of text, images, and other elements within the PDF. Some free tools, like PDFescape or Smallpdf, also offer basic editing capabilities. How do I convert a Lcd Tv User Manual Samsung PDF to another file format? There are multiple ways to convert a PDF to another format: Use online converters like Smallpdf, Zamzar, or Adobe Acrobats export feature to convert PDFs to formats like Word, Excel, JPEG, etc. Software like Adobe Acrobat, Microsoft Word, or other PDF editors may have options to export or save PDFs in different formats. How do I password-protect a Lcd Tv User Manual **Samsung PDF?** Most PDF editing software allows you to add password protection. In Adobe Acrobat, for instance, you can go to "File" -> "Properties" -> "Security" to set a password to restrict access or editing capabilities. Are there any free alternatives to Adobe Acrobat for working with PDFs? Yes, there are many free alternatives for working with PDFs, such as: LibreOffice: Offers PDF editing features. PDFsam: Allows splitting, merging, and editing PDFs. Foxit Reader: Provides basic PDF viewing and editing capabilities. How do I compress a PDF file? You can use online tools like Smallpdf, ILovePDF, or desktop software like Adobe Acrobat to compress PDF files without significant quality loss. Compression reduces the file size, making it easier to share and download. Can I fill out forms in a PDF file? Yes, most PDF viewers/editors like Adobe Acrobat, Preview (on Mac), or various online tools allow you to fill out forms in PDF files by selecting text fields and entering information. Are there any restrictions when working with PDFs? Some PDFs might have restrictions set by their creator, such as password protection, editing restrictions, or print restrictions. Breaking these restrictions might require specific

software or tools, which may or may not be legal depending on the circumstances and local laws.

#### Find Lcd Tv User Manual Samsung:

firsttime father pergnancy birth and starting out as a dad

first time asia

first steps to a vegetarian family

#### first trimester fetal diagnosis

first rubian vocabulary key to rubian text series

#### first business start up how to know if

#### first turkish republic case study in nat

first of soprano solos part 2 set of 2 accompaniment cds

first aspen winter physics conference annals of the new york academy of sciences vol 461

first president of japan volume 2

#### fish flesh and fowl poems

fish a remarkable way to boost morale and improve results

first casualty cd

first all campus fine arts faculty exhib

first and goal nfl players talk about football and faith

#### **Lcd Tv User Manual Samsung:**

CT Primary ISO Harness Non SWC Adaptor For Ford ... CT Primary ISO Harness Non SWC Adaptor For Ford Laser 2001-2002 Ranger 2006-2011; SPARK-ONLINE (4512); Approx. \$6.04. + \$41.84 shipping; Item description from ... Wiring Diagram Manual for the 2001 Ford Laser This document comprises the 8 groups shown below. A how-to on using and reading wiring diagrams,. General information of. GI wiring diagrams using test ... GZYF ISO Wiring Harness Stereo Plug Lead Wire Loom ... GZYF ISO Wiring Harness Tinned Copper for Mazda, for Ford Escape, for Ford Laser, for Ford Ranger. BASIKER Metra 70-1817 Radio Installation Wiring Harness ... Fits: The wiring harness fits for Chrysler/Dodge/Jeep/Plymouth(Details in product description) · Excellent Quality: The car speaker wire harness connector ... 2001 LASER Wiring Diagrams Unused terminals are indicated by . ... The harness symbol is in () following the harness symbols (refer to P-7.). ... Routing diagram • The routing diagram shows ... View topic - HELP!! with

stereo wiring Sep 22, 2010 — Hey guys im in a bit of a pickle was woundering if anyone could help. Im trying to wire my stero up in my new laser and im a bit stuck heres ... ABS Car Stereo Radio Player ISO Standard Wiring ... ABS Car Stereo Radio Player ISO Standard Wiring Harness Connector 13 Pin Plug Cable for Mazda 2 2003-2006 DY Ford Escape 2006-20 ... Ford Laser KQ 2001-2002. For ... Car ISO Wiring Harness Adaptor Stereo Wire Cable ... Buy Car ISO Wiring Harness Adaptor Stereo Wire Cable ISO Radio Plug Adapter Connector for Ford Escape Ranger For Mazda 2 3 6 at Aliexpress for . Ford Laser Lxi, Factory Headunit Removal. Jun 20, 2012 — Ok so the oem headunit is removed and im now faced with a array of wires and 2 wiring harness, 1 of the harness has the rear speakers in it and ... The Financial Jungle: A Guide to Credit Derivatives The Financial Jungle: A Guide to Credit Derivatives [Jonathan Davies, James Hewer, Phil Rivett] on Amazon.com. \*FREE\* shipping on qualifying offers. Phil Rivett: Books The Financial Jungle: A Guide to Financial Instruments. Italian Edition | by Peter Speak Phil Rivett. Paperback. The Financial Jungle: A Guide to Financial ... The Financial Jungle: A Guide to Credit Derivatives Title, The Financial Jungle: A Guide to Credit Derivatives. Authors, Jonathan Davies, James Hewer, Phil Rivett. Contributor, PricewaterhouseCoopers (Firm). What are Credit Derivatives? | Part 2 | Moorad Choudhry THE J.P. MORGAN GUIDE TO CREDIT DERIVATIVES We offer sophisticated financial services to companies, governments, institutions, and individuals, advising on corporate strategy and structure; raising equity ... Credit Derivatives by HCD Work · Cited by 239 — A credit derivative is an agreement designed explicitly to shift credit risk between the parties; its value is derived from the credit performance of one or ... BibMe: Free Bibliography & Citation Maker - MLA, APA ... This guide presents the base rules of Chicago Style along with citation examples for various source types. It'll give you a solid foundation to begin citing ... How To Trade Forex How to Trade Forex - Learn the different ways to trade forex such as retail forex, forex CFDs, forex spread bets, currency futures, FX options, and currency ... Jungle Cruise (a review) Aug 2, 2021 — But as they continue up the river, in true homage to Heart of Darkness which should really be the source material that gets the credit once you ... The J.P. Morgan Guide to Credit Derivatives The guide will be of great value to risk managers addressing portfolio concentration risk, issuers seeking to minimize the cost of liquidity in the debt capital ... Pilkey W. D. Peterson's Stress Concentration Factors 3rd ed Stress concentration factor Kt is a dimensionless factor that is used to qualify how concentrated the stress is in material. It is defin... Download Free PDF Peterson's Stress Concentration Factors | Wiley Online Books Dec 26, 2007 — Peterson's Stress Concentration Factors establishes and maintains a system of data classification for all of the applications of stress and ... PETERSON'S STRESS CONCENTRATION FACTORS Peterson's Stress Concentration Factors, Third Edition. Walter D. Pilkey and Deborah ... JOHN WILEY & SONS, INC. Page 3. This text is printed on acid-free paper. Peterson's Stress Concentration Factors, 3rd Edition Peterson's Stress Concentration Factors, 3rd Edition. Author / Uploaded; Froncasci Otos. Views 932 Downloads 263 File size 32MB. Report DMCA / Copyright. Peterson's stress concentration factors - Z-Library Download Peterson's stress concentration factors book for free from Z-Library. Stress Concentration The elastic stress

concentration factor Kt is the ratio of the maximum stress in the stress raiser to the nominal stress computed by the ordinary mechanics-of- ... Peterson's Stress Concentration Factors by Pilkey, Walter D. Filled with all of the latest developments in stress and strain analysis, this Fourth Edition presents stress concentration factors both graphically and with ... Stress Concentration Factors | PDF Chart 4.2 Stress concentration factors for the tension of a thin semi-infinite element with a circular hole near the edge (Mindlin 1948; Udoguti 1947; Isida ... Table A-15 Charts of Theoretical Stress-Concentration ... by A Figure · Cited by 4 — Source: R. E. Peterson, Stress-. Concentration Factors, Wiley,. New York, 1974, pp. 146, 235. The nominal bending stress is  $\sigma 0 = M/Z$ net where Znet is a reduced. Peterson's Stress Concentration Factors, Third Edition Dec 13, 2023 — Peterson's Stress Concentration Factors establishes and maintains a system of data classification for all of the applications of stress and ...