

## GSM TELEPHONE SGH-X820

# SERVICE Manual

#### **GSM TELEPHONE**



#### CONTENTS

- 1. Safety Precautions
- Specification 2.
- **Product Function** 3.
- 4. Array course control
- Exploded View and Parts List 5.
- Disassembly and Assembly 65. instructions
- 7. MAIN Electrical Parts List
- 8. Block Diagrams
- PCB Diagrams 9.
- 10. Flow Chart of Troubleshooting
- Reference data

## **Samsung Sgh X820 Cell Phones Owners Manual**

**H Kauffman** 

Samsung Sgh X820 Cell Phones Owners Manual:

Enjoying the Beat of Term: An Emotional Symphony within Samsung Sgh X820 Cell Phones Owners Manual

In a global consumed by displays and the ceaseless chatter of instantaneous conversation, the melodic elegance and psychological symphony developed by the written term often disappear into the background, eclipsed by the constant sound and distractions that permeate our lives. However, nestled within the pages of **Samsung Sgh X820 Cell Phones Owners Manual** an enchanting fictional treasure overflowing with natural feelings, lies an immersive symphony waiting to be embraced. Constructed by a wonderful musician of language, this fascinating masterpiece conducts readers on an emotional trip, well unraveling the hidden songs and profound impact resonating within each cautiously crafted phrase. Within the depths of the poignant review, we can explore the book is main harmonies, analyze their enthralling publishing type, and submit ourselves to the profound resonance that echoes in the depths of readers souls.

https://crm.avenza.com/results/publication/HomePages/Platoweb%20Answer%20Key%20English%201.pdf

### **Table of Contents Samsung Sgh X820 Cell Phones Owners Manual**

- 1. Understanding the eBook Samsung Sgh X820 Cell Phones Owners Manual
  - The Rise of Digital Reading Samsung Sgh X820 Cell Phones Owners Manual
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Samsung Sgh X820 Cell Phones Owners Manual
  - 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 Samsung Sgh X820 Cell Phones Owners Manual
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Samsung Sgh X820 Cell Phones Owners Manual
  - Personalized Recommendations

- Samsung Sgh X820 Cell Phones Owners Manual User Reviews and Ratings
- Samsung Sgh X820 Cell Phones Owners Manual and Bestseller Lists
- 5. Accessing Samsung Sgh X820 Cell Phones Owners Manual Free and Paid eBooks
  - Samsung Sgh X820 Cell Phones Owners Manual Public Domain eBooks
  - Samsung Sgh X820 Cell Phones Owners Manual eBook Subscription Services
  - Samsung Sgh X820 Cell Phones Owners Manual Budget-Friendly Options
- 6. Navigating Samsung Sgh X820 Cell Phones Owners Manual eBook Formats
  - ∘ ePub, PDF, MOBI, and More
  - Samsung Sgh X820 Cell Phones Owners Manual Compatibility with Devices
  - Samsung Sgh X820 Cell Phones Owners Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Samsung Sgh X820 Cell Phones Owners Manual
  - Highlighting and Note-Taking Samsung Sgh X820 Cell Phones Owners Manual
  - Interactive Elements Samsung Sgh X820 Cell Phones Owners Manual
- 8. Staying Engaged with Samsung Sgh X820 Cell Phones Owners Manual
  - o Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Samsung Sgh X820 Cell Phones Owners Manual
- 9. Balancing eBooks and Physical Books Samsung Sgh X820 Cell Phones Owners Manual
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Samsung Sgh X820 Cell Phones Owners Manual
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Samsung Sgh X820 Cell Phones Owners Manual
  - Setting Reading Goals Samsung Sgh X820 Cell Phones Owners Manual
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Samsung Sgh X820 Cell Phones Owners Manual
  - Fact-Checking eBook Content of Samsung Sgh X820 Cell Phones Owners Manual

- 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

#### Samsung Sgh X820 Cell Phones Owners Manual Introduction

In todays digital age, the availability of Samsung Sgh X820 Cell Phones Owners Manual books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Samsung Sgh X820 Cell Phones Owners Manual books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Samsung Sgh X820 Cell Phones Owners Manual books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Samsung Sgh X820 Cell Phones Owners Manual versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, Samsung Sgh X820 Cell Phones Owners Manual books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether youre a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Samsung Sgh X820 Cell Phones Owners Manual books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for

Samsung Sgh X820 Cell Phones Owners Manual books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Samsung Sqh X820 Cell Phones Owners Manual books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an everexpanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Samsung Sgh X820 Cell Phones Owners Manual books and manuals for download and embark on your journey of knowledge?

#### FAQs About Samsung Sgh X820 Cell Phones Owners Manual Books

- 1. Where can I buy Samsung Sgh X820 Cell Phones Owners Manual books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
- 2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
- 3. How do I choose a Samsung Sgh X820 Cell Phones Owners Manual book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
- 4. How do I take care of Samsung Sgh X820 Cell Phones Owners Manual books? Storage: Keep them away from direct

- sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
- 5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
- 6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
- 7. What are Samsung Sgh X820 Cell Phones Owners Manual audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
- 8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
- 9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
- 10. Can I read Samsung Sgh X820 Cell Phones Owners Manual books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

#### Find Samsung Sgh X820 Cell Phones Owners Manual:

platoweb answer key english 10
plazas student activities manual
pocket wizard iii manual
plumbing calculation guide
plumbing apprentice study guide
playstation vita lego batman 3
pmp project management professional exam study guide 6th edition
players guide for tiberium wars
plymouth voyager 1989 2000

plato learning algebra 1b answer key

### plumbing engineering services design guide iop

platoweb answer key for english 3

pocket edition seeds guide tons of worlds to explore

plato geometry semester 1 answers

playstation tv audio problem

#### Samsung Sgh X820 Cell Phones Owners Manual:

amazon com investments 10th edition - Jan 09 2023

web mar 16 2014 ebook investments global edition zvi bodie alex kane alan marcus mcgraw hill mar 16 2014 business economics 1080 pages we are pleased to

<u>investments alan j marcus professor zvi bodie professor</u> - Sep 05 2022

web investments 10th edition is written by kane and marcus bodie and published by mcgraw hill international uk ltd the digital and etextbook isbns for investments

investments 12th edition mcgraw hill - Dec 08 2022

web feb 24 2017 check pages 1 50 of investments solution manual bodie kane marcus mohanty in the flip pdf version investments solution manual bodie kane marcus

investments 10th edition pdf free download e book business - Jun 02 2022

web investments 8th edition by bodie kane and marcus keeps the best blend of practical and theoretical coverage while incorporating new and important topics in the world of

investments 10th edition textbook solutions chegg com - Aug 16 2023

web unlike static pdf investments 10th edition solution manuals or printed answer keys our experts show you how to solve each problem step by step no need to wait for office

ebook investments global edition zvi bodie alex kane - Nov 07 2022

web may 30 2017 the integrated solutions for bodie kane and marcus investments set the standard for graduate mba investments textbooks the unifying theme is that security

investments 10th edition bodie kane marcus solutions - Jun 14 2023

web jul 29 2012 investments 10th edition bodie kane marcus solutions does anyone have the solutions to investments 10th edition bodie kane marcus

investments 10th ed bodie alex kane alan marcus - Mar 11 2023

web worldcat is the world s largest library catalog helping you find library materials online investments bodie mohanty google books - Mar 31 2022

web this bodie kane marcus 10th edition answers investments as one of the most enthusiastic sellers here will completely be in the midst of the best options to review

investments 10th edition 9780077161149 9780077161156 - Jul 03 2022

web zvi bodie alex kane and alan j marcusisbn 9781260571158 investments 12th edition sets the standard as a graduate mba text intended primarily for courses in investment

#### investments 10th ed bodie alex kane alan marcus - Aug 04 2022

web an author of many articles in finance and management journals professor kane s research is mainly in corporate finance portfolio management and capital markets most recently

test bank for investments global edition 10th edition by bodie - Apr 12 2023

web investments 10th ed bodie alex kane alan marcus free download as pdf file pdf text file txt or read online for free 10th investments 10th ed bodie alex kane

#### solutions manual for investments tenth edition worldcat org - Feb 10 2023

web jan 6 2020 an author of many articles in finance and management journals professor kane s research is mainly in corporate finance portfolio management and capital

#### solutions manual for investments 10th edition - Jul 15 2023

web sep 17 2013 solutions manual for investments 10th edition by zvi bodie author alex kane author alan marcus author 0 more 4 2 4 2 out of 5 stars 26 ratings

### investments 12th edition textbook solutions chegg com - Oct 26 2021

bodie kane marcus 10th edition answers investments - Jan 29 2022

web the market leading undergraduate investments textbook essentials of investments by bodie kane and marcus continues to evolve along with the changes in the financial

investments 10th edition by bodie kane marcus solution - May 13 2023

web test bank for investments global edition 10th edition by bodie kane marcus test bank solutions for 10th edition investment management fn3023 students shared 29

solution manual for investments global edition 10th edition by - Sep 24 2021

investments solution manual bodie kane marcus mohanty - Oct 06 2022

web investments 10th ed bodie alex kane alan marcus uploaded by pino october 2019 pdf bookmark download this document was uploaded by user and they confirmed

### investments bodie kane marcus 10th edition pittsburgh post - Dec 28 2021

web isbn 13 9781260819427 isbn 1260819427 authors alan j marcus zvi bodie alex kane alan marcus rent buy this is an alternate isbn view the primary isbn for

#### bodie kane marcus 10th edition answers investments - Feb 27 2022

web investments bodie kane marcus 10th edition author blogs sites post gazette com 2023 09 04t00 00 00 00 01 subject investments bodie kane marcus 10th edition

essentials of investments 12th edition mcgraw hill - Nov 26 2021

web oct 10 2018 solution manual for investments global edition 10th edition by bodie kane and marcus chapter 2 asset classes and financial instruments

#### bodie kane marcus investments 12th edition - May 01 2022

web the caia level i an introduction to core topics in alternative investments contains all material on alternative investments that potential level i candidate would need to know

easel back template for table display crafts pinterest - Feb 12 2023

web dec 5 2014 frame easel template easel back template for table display dec 5 2014 frame easel template easel back template for table display explore save from pinterest com paper box template pinterest 5m followers paper box template card making templates card making tips diy easel diy photo frames

how to assemble single and double wing self adhesive easel back - Apr 02 2022

web feb 5 2020 how to assemble single and double wing self adhesive easel back for your art craft and diy project these easel backs are perfect for displaying everything from professional prints and art

make your own easels free printables div easel craft pinterest - Oct 08 2022

web nov 2 2015 we ve got bunches of tiny easels that are inexpensive and easy to make these are for smaller items and work continue reading

printable easel back template etsy - Nov 09 2022

web check out our printable easel back template selection for the very best in unique or custom handmade pieces from our shops

simple useful template for an easel back for cards photos - Jun 16 2023

web jul 26 2016 simple useful template for an easel back for cards photos displays crafts

diy easel back template diy - Mar 01 2022

web easel template diy easel diy photo display easel the smaller easels dont need this diy easel back template dec 4 2014 free artist easel plans now you can make your own artist easel with these easy to follow plans with simple instructions get the free printable easel back template pdf form pdffiller - Jul 05 2022

web start by downloading the printable easel back template from a reliable source online 02 open the template using a compatible software program such as adobe acrobat reader or microsoft word 03 review the instructions provided with the template if any to get a clear understanding of the required information 04 easel back template etsy - Jan 11 2023

web check out our easel back template selection for the very best in unique or custom handmade pieces from our templates shops

#### triple twisted easel card template craftworld - Jan 31 2022

web friday 8th october 2021 13 follow our quick and easy video tutorial to create kinetic projects using our exclusive craftworld template this is a super simple template which is easy to adapt to a wide range of cards and gives amazing impact you will need your free printable template coloured cardstock a printer and paper scissors scoreboard

#### easel back template double wing vector with die cut laser cut - Apr 14 2023

web download easel back template double wing vector with die cut laser cut lines set of two different designs white clear blank isolated easel back mock up on white background with perspective view stock vector and explore similar vectors at adobe stock

#### printable easel template - Dec 10 2022

web patterns easel pattern get all 1 475 patterns every pattern on our site is available in a convenient bundle starting at only 19 99 the bundle includes pdf and transparent png 300 dpi versions of every pattern we also offer an option at 49 99 for commercial use that includes svg files

#### easel back template for table display crafts pinterest - Mar 13 2023

web paper box template card making templates card making tips diy easel diy photo frames baby shower flowers shaped cards silent auction silhouette cameo projects comments dec 5 2014 frame easel template

#### pin by seasonably cute on 3 templates pinterest div easel div - Sep 07 2022

web diy photo display double wing easel template simple useful template for an easel back for cards photos pinterest 5m followers diy photo display photo displays greeting card display stand paper projects paper crafts easel backs template double wing vector with die cut laser - May 15 2023

web easel backs template double wing vector with die cut laser cut lines set of two different designs of easel backs illustrations white clear blank isolated easel backs on white background with perspective view 3d presentation

die cut templates free dielines - Aug 18 2023

web easel back lets you stylishly and conveniently display posters to get maximum customer visibility it s also called cardboard easel or double wing easel easel back is used in various display and promotion applications made of photoblock cardboard and forex

diy card making the best way to make paper easels youtube - May 03 2022

web may 31 2019 here is a very useful and super easy tutorial to hold all your cards upright after spending time making beautiful cards it is now time to highlight them wit

#### easel stand vectors illustrations for free download freepik - Jun 04 2022

web you can find download the most popular easel stand vectors on freepik remember that these high quality images are free for commercial use freepik is made for creative people like you

easel back template for table display crafts pinterest - Jul 17 2023

web dec 5 2014 frame easel template easel back template for table display explore diy and crafts visit save from pinterest com paper box template frame easel template easel back template for table display pinterest 5m followers paper box template card making templates card making tips diy easel diy photo frames

#### make your own easels free printables craft your happiness - Sep 19 2023

web sep 1 2014 the smaller easels don t need this soda bottle easel for this one all you need is a soda bottle and an x acto knife i used a 32 oz bottle remove the label and cut as shown candy cane easels hot glue three small candy canes together the back leg can be a little higher if desired to give it a slant spray with some sealer then spray

paper easel template etsy - Aug 06 2022

web check out our paper easel template selection for the very best in unique or custom handmade pieces from our clip art image files shops

beadwork definition meaning merriam webster - Mar 04 2022

web the meaning of beadwork is ornamental work in beads how to use beadwork in a sentence

#### beadwork 2013 06 pdf beadwork bead scribd - Nov 12 2022

web beadwork 2013 06 free download as pdf file pdf text file txt or read online for free

book review shaped beadwork and beyond beading arts - Dec 13 2022

web dec 11 2013 book review shaped beadwork and beyond december 11 2013 diane fitzgerald has been very prolific this year and each volume has been better than the last my previous favorite is shaped beadwork so i was thrilled to receive the new shaped beadwork and beyond published by lark books

beadwork december 2012 january 2013 digital edition - Sep 22 2023

web start your year off right with the inspiring december january 2013 issue of beadwork magazine learn about the hottest seed bead shapes for 2013 from the stitch pro herself jean campbell from double hole beads to innovative shapes you won t want to miss these beads will help take your beadwork to the next level

beadwork decorative arts crafting jewelry making - Aug 09 2022

web beadwork use of beads in fabric decoration beads may be individually stitched applied in threaded lengths or actually woven into the material the weft threaded with beads before being woven in glass beads were used decoratively in ancient egypt greece and rome and by the druids in religious rites during the middle ages when embroidery was an beadwork 2013 collection download interweave - Aug 21 2023

web explore the technique information you need to know to boost your skills from stitch pro jean campbell get all the step by step directions and pictures for every stylish 2013 project unlock your beading potential as you learn how to bead using peyote stitch herringbone square stitch and more

#### beadwork dec2012 jan2013 pdf scribd - Jun 19 2023

web beadwork dec2012 jan2013 free download as pdf file pdf text file txt or read online for free

#### shaped beadwork beyond lark jewelry beading by diane - Jun 07 2022

web dec 7 2013 shaped beadwork beyond lark jewelry beading by diane fitzgerald 7 dec 2013 paperback on amazon com free shipping on qualifying offers shaped beadwork beyond lark jewelry beading by diane fitzgerald 7 beadwork aprilmay 2013 pdf pdf scribd - Jul 08 2022

web andreea vizitiu stoic beadwork aprilmay 2013 pdf free download as pdf file pdf text file txt or read online for free beadwork aprilmay 2013 pdf

#### december 2013 contemporary geometric beadwork - Mar 16 2023

web 2 posts published by katemckinnon during december 2013 contemporary geometric beadwork an open source architectural beadwork project from kate mckinnon and a worldwide team of innovators

#### beadwork december 2012 january 2013 download pdf - Jul 20 2023

web beadwork december 2012 january 2013 english 100 pages pdf 27 35 mb beadwork publishes beautiful projects in all types of beadwork on and off loom beadwork wirework bead knitting and crochet presented with easy to follow directions and crystal clear photography

#### 2013 beadflowers beadwork by katie dean - Jan 14 2023

web december 2013 bead magazine published katie s miniature beaded keepsake cards project this formed the basis for a book that is in the making december katie was interviewed as a featured artist in digital beading magazine alongside her project for a peppermint sweets bracelet

#### beadwork december january 2013 single issue magazine - Apr 17 2023

web buy beadwork december january 2013 december january 2013 by beadwork isbn from amazon s book store everyday low prices and free delivery on eligible orders

#### beadwork december 2013 january 2014 digital edition - Oct 23 2023

web spectacular beading projects must know beadweaving how tos and much more packed into the december january issue of beadwork magazine tis the season for stylish beaded jewelry and this issue is packed with 17 projects you won t want to miss explore the final designs from the 2013 designers of the year

beadwork download digital copy magazines and books in pdf - May 18 2023

web beadwork december 2012 january 2013 magazines handmade download this site contains a large collection new and rare digital magazines books manuals and more all publications are available for your pc ipad ipad 2 or android tablet devices

beadwork dec 2013 - Sep 10 2022

web beadwork dec 2013 downloaded from api calvertfoundation org by guest colon boone beadweaving the art tradition of beadwork jewelry makers in search of stitching projects love kalmbach s creative beading series back for 2018 with its 13th volume inside this high quality hardcover book beaders will find 65

beadwork dec 2013 1 store kawan equipment - Apr 05 2022

web beadwork dec 2013 3 3 flapper s hem humans throughout history have used beading as a way to express adorn and tell a story bol explores beadwork across the world and through the ages showing how beading has taken on many different styles forms and purposes for different cultures she

bead and button extra december 2013 pdf beadwork - Feb 15 2023

web bead and button extra december 2013 free download as pdf file pdf text file txt or read online for free bead and button extra december 2013

beadwork dec 2013 pdf - May 06 2022

web introduction beadwork dec 2013 pdf 2023 beautiful beadwork from nature melissa shippee 2019 05 07 16 gorgeous beaded jewelry projects for intermediate to advanced beaders featuring one of a kind nature inspired designs the elaborate process of creating tiny beaded works of art has never been so well captured booklist starred

historic iroquois and wabanaki beadwork december 2013 - Oct 11 2022

web historic iroquois and wabanaki beadwork on september 30 2013 i did a major revision to both the text and images in this blog posting to correspond with an article i wrote for whispering wind magazine on the same topic volume 42 1 2013