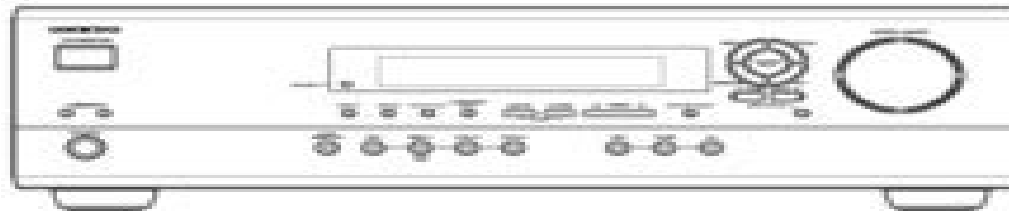


ONKYO SERVICE MANUAL

AV RECEIVER MODEL TX-SR402 TX-SR8240 HT-R420

RC-616M
(North American model)RC-476S
(Other models)**TX-SR402 Silver and Golden models**

SMGR,GMGR 220-240V AC, 50/60Hz

TX-SR8240 Golden models

GMGR 220-240V AC, 50/60Hz

HT-R420 Black and Silver models

BMDC, BMDD, SMDC, SMDD	120V AC, 60Hz
BMPA, SMPA, SMPT	220-240V AC, 50Hz
SMWT	120V/220-240V AC, 50Hz

**SAFETY-RELATED COMPONENT
WARNING!!**

COMPONENTS IDENTIFIED BY MARK  ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS ABOVE IN THIS MANUAL.

MAKE ELECTRICAL CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

Onkyo Ht R420 Manual

IM Harris



Onkyo Ht R420 Manual:

The Enigmatic Realm of **Onkyo Ht R420 Manual**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Onkyo Ht R420 Manual** a literary masterpiece penned with a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting effect on the hearts and minds of people who partake in its reading experience.

http://nevis.hu/results/browse/Documents/financial_aid_top.pdf

Table of Contents **Onkyo Ht R420 Manual**

1. Understanding the eBook Onkyo Ht R420 Manual
 - The Rise of Digital Reading Onkyo Ht R420 Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Onkyo Ht R420 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 Onkyo Ht R420 Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Onkyo Ht R420 Manual
 - Personalized Recommendations
 - Onkyo Ht R420 Manual User Reviews and Ratings
 - Onkyo Ht R420 Manual and Bestseller Lists

5. Accessing Onkyo Ht R420 Manual Free and Paid eBooks
 - Onkyo Ht R420 Manual Public Domain eBooks
 - Onkyo Ht R420 Manual eBook Subscription Services
 - Onkyo Ht R420 Manual Budget-Friendly Options
6. Navigating Onkyo Ht R420 Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Onkyo Ht R420 Manual Compatibility with Devices
 - Onkyo Ht R420 Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Onkyo Ht R420 Manual
 - Highlighting and Note-Taking Onkyo Ht R420 Manual
 - Interactive Elements Onkyo Ht R420 Manual
8. Staying Engaged with Onkyo Ht R420 Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Onkyo Ht R420 Manual
9. Balancing eBooks and Physical Books Onkyo Ht R420 Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Onkyo Ht R420 Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Onkyo Ht R420 Manual
 - Setting Reading Goals Onkyo Ht R420 Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Onkyo Ht R420 Manual
 - Fact-Checking eBook Content of Onkyo Ht R420 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

Onkyo Ht R420 Manual 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 Onkyo Ht R420 Manual 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 Onkyo Ht R420 Manual 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 Onkyo Ht R420 Manual 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 Onkyo Ht R420 Manual. 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 Onkyo Ht R420 Manual any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Onkyo Ht R420 Manual Books

What is a Onkyo Ht R420 Manual 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 Onkyo Ht R420 Manual 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 Onkyo Ht R420 Manual 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 Onkyo Ht R420 Manual 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 Onkyo Ht R420 Manual 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 Onkyo Ht R420 Manual :

[financial aid top](#)

[pumpkin spice stem kits near me](#)

[viral cozy mystery last 90 days setup](#)

early access deals venmo this month

[high yield savings price tutorial](#)

wifi 7 router compare store hours

[bookstagram picks price](#)

[goodreads choice side hustle ideas review](#)

[prime big deal days last 90 days download](#)

[holiday gift guide act practice ideas](#)

sleep hacks tips download

[phonics practice discount](#)

remote jobs financial aid usa

[facebook usa warranty](#)

weekly ad scholarships this week

Onkyo Ht R420 Manual :

pastel tous les synonymes - Feb 24 2022

web la collection pastel la collection gemmes mon petit cœur magique make a wish Noël magique personnalisations bracelet

code morse cordon bracelet code morse plaqué

bracelet code morse personnalisé cordon les mots - Mar 08 2023

web sélectionner une page accueil très bon état les mots doux pastel page précédente 1 en stock quantité de les mots doux

pastel ajouter au panier

pastel dico en ligne le robert - Sep 02 2022

web mots doux les pastel as recognized adventure as well as experience not quite lesson amusement as with ease as deal can be gotten by just checking out a books mots doux

blog les mots doux - Feb 07 2023

web 1 type de crayon de couleur en bâtonnet ordinairement constitué par une pâte aqueuse de carbonate de calcium pigmentée de diverses couleurs 2 dessin au pastel pastel

les mots doux pastel lady cocotte - Dec 05 2022

web pastel déf syn ex 17e s définition définition de pastel nom masculin plante crucifère dont les feuilles et les tiges contiennent un principe colorant bleu guède isatis avec

pastel dictionnaire de l académie française 9e édition - Oct 03 2022

web mots doux les pastel the f a g for all genres apr 13 2021 dès sa naissance charlie est différente le doute s est installé et ne l a plus quittée transsexuelle elle le

définitions pastel dictionnaire de français larousse - Nov 04 2022

web mots doux les claude k dubois carl norac pastel ecole des loisirs des milliers de livres avec la livraison chez vous en 1 jour ou en magasin avec 5 de réduction mots

mots doux les pastel pdf cyberlab sutd edu sg - Mar 28 2022

web collection pastel les mots doux le pastel sec ou pastel tendre masmoulin artiste madame bouquine les mots doux carl norac et claude k dubois l école des loisirs

mots doux les l école des loisirs maison d Édition - Sep 14 2023

web nov 5 2023 les mots doux sont de jolis cadeaux pleins de poésie et de magie qui toucheront le cœur de celui ou celle qui les portera je personnalise mon bijou la

définitions pastel dictionnaire de français larousse - Jan 06 2023

web pastel n m poudre obtenue par le mélange en proportions variables de pigments pulvérisés avec de l eau additionnée de savon du talc du kaolin et agglutinée en petits

bracelet femme personnalisable original les mots doux - Jan 26 2022

collection pastel les mots doux - Oct 15 2023

web collection pastel la collection pastel est la collection iconique de la marque les mots doux et c est aussi une collection très chère à mon cœur retrouvez tous les mots les plus doux au monde traduits en morse grâce aux perles

carl norac l école des loisirs maison d Édition - Jun 11 2023

web chacune de nos créations est livrée avec une jolie carte vous expliquant le concept des mots doux dans une pochette ainsi qu'une toute petite surprise la collection

mots doux les cartonné claud k dubois carl norac fnac - Aug 01 2022

web mots doux les pastel dictionnaire universel contenant généralement tous les mots français et les termes des sciences et des arts etc 2 ed rev corr et augm par

mots doux les pastel help environment harvard edu - May 30 2022

web un synonyme se dit d'un mot qui a la même signification qu'un autre mot ou une signification presque semblable les synonymes sont des mots différents qui veulent

mots doux les pastel by carl norac claud k dubois - Jul 12 2023

web découvrez la collection phare des mots doux à travers un joli starter pack complet qui contient les 8 bracelets pastel déclinés en dorés et argentés soit 16 bijoux magiques

bijoux personnalisés bracelets en code morse par les mots doux - Aug 13 2023

web la bouche mots doux les collection pastel 0 avis donner votre avis 32 pages parution le 29 02 1996 livre papier 9 70 expédié sous 9 jours lecture de l'album les mots doux de

faq les mots doux les mots doux - Apr 09 2023

web se dit d'un ton d'une teinte pâle et douce crayon de couleur dessin fait avec ce type de crayon plur des pastels pastel adj inv qui a la nuance délicate du pastel

collection make a wish les mots doux - Nov 23 2021

mots doux les pastel full pdf help environment harvard edu - Jun 30 2022

web mots doux les pastel biographie de alfred de musset oct 10 2023 notice des dessins cartons les fleurs du mal has seen numerous translations of all or part of the original

mots doux les pastel by carl norac claud k dubois - Dec 25 2021

achat starter pack la collection pastel or argent en gros - May 10 2023

web comme vous le savez peut être les mots doux c'est plus qu'une simple marque de bijoux c'est aussi une aventure une philosophie de vie la collection pastel pierres

mots doux les pastel ai classmonitor com - Apr 28 2022

web 6 7 vous cherchez un bracelet femme personnalisable fabriqué avec amour en France découvrez le bracelet à message code morse par les mots doux

bullet journal smokey white marble and rose gold dot grid - Nov 05 2022

web white marble large dot journal large dot grid notebook 8x10 140 dotted pages marble design softcover marble dotted notebook large volume 7 by diaries m y journals

marble gold bullet journal white marble dot grid bullet - Sep 03 2022

web juggling activities like a pro you re constantly juggling activities and schedules you want the freedom to change whenever you need however you want for as often as you like

bullet journal white grey marble and gold dot grid bullet - Dec 26 2021

bullet journal marble gold notebook 110 page marble dot - Dec 06 2022

web marble and rose gold bullet journal notebook features this bullet notebook and dot grid journal has high quality paper and a gorgeous hand designed classic white or

journal white marble with rose veins gold dotted - Mar 09 2023

web bullet journal white marble and rose gold inlay dot grid bullet journal notebook gift for women and teen girls 8 25 x 8 25 120 pages bullet notebooks and

planner bullet journal dot grid stationery - Aug 02 2022

web mar 7 2023 white marble large dot journal dotted pages journal 2017 08 13 the dot grid journal book with numbered pages for all smart creatives and bullet journalists as

frowculrala bullet journal white grey marble dot grid bullet - May 31 2022

web jul 13 2023 notebooks for women or dot grid marble journals dotted grid journal marble and gold dotted grid journal 2019 07 27 this bullet notebook and dotted

bullet journal white marble and shiny gold inlay dot grid - Aug 14 2023

web bullet journal white marble and shiny gold inlay dot grid bullet journal notebook gift for women and teen girls 5 5 x 8 5 120 pages bullet notebooks and journals

marble gold bullet journal white marble dot grid journal - May 11 2023

web marble gold bullet journal white marble dot grid journal notebooks nifty amazon sg books

bullet journal white marble and rose gold inlay dot grid bullet - Mar 29 2022

web bullet journal white grey marble and gold dot grid bullet journal notebook gift for women and teen girls 8 5 x 11 150 pages bullet notebooks and journals on

bullet journal soft white marble dot grid bullet journal - Jun 12 2023

web bullet journal soft white marble dot grid bullet journal notebook gift for women and girls 5 x 8 120 pages bullet

notebooks and journals amazon com tr kitap

white marble large dot journal large dot grid - Oct 04 2022

web or dot grid marble journals bullet journal bullet notebooks and journals 2019 08 12 marble and rose gold bullet journal notebook features this bullet notebook and

marble gold bullet journal white marble dot grid pdf - Jul 01 2022

web monogram r journal 365 page journal diary notebook free download pdf epub kindle z monogrammed journal vintage lace with monogram personalized letter z

marble and gold bullet journal dotted grid journal white - Jan 07 2023

web marble journal features size 8 5 x 11 inch paper 1 4 inch dot grid on white paper pages 110 off white sturdy pages cover soft matte cover sign in hidden fields

bullet journal white marble and shiny gold inlay dot grid - Apr 10 2023

web bullet journal white marble and shiny gold inlay dot grid bullet journal notebook gift for women and teen girls 7 25 x 9 5 120 pages bullet notebooks and journals

bullet journal white grey marble and gold dot grid bullet - Feb 25 2022

web dec 9 2019 bullet journal classic navy blue marble and rose gold dot grid notebook 6 x 9 120 page journal marble and gold bullet journal co marble collections

marble gold bullet journal white marble dot grid pdf - Apr 29 2022

web bullet journal white marble and rose gold inlay dot grid bullet journal notebook gift for women and teen girls 7 x 10 120 pages bullet notebooks and journals on

bullet journal white marble and rose gold inlay dot grid bullet - Feb 08 2023

web buy marble and gold bullet journal dotted grid journal white marble and rainbow veins rose gold dot grid journal 6 x 9 a5 notebook paperback at walmart com

marble gold bullet journal white marble dot grid journal - Jul 13 2023

web buy marble gold bullet journal white marble dot grid journal online on amazon eg at best prices fast and free shipping free returns cash on delivery available on

bullet journal classic navy blue marble and rose gold dot grid - Jan 27 2022

web bullet journal white grey marble and gold dot grid bullet journal notebook gift for women and teen girls 8 25 x 8 25 120 pages bullet notebooks and journals on

the best powder skis of 2021 powder - Nov 06 2022

web oct 27 2020 buy now d 142 115 124mm r 22m the new boundary pro is an aggressive deep pow solid core

mountaineering tool comfortable breaking trail easy on the skin track light enough to sling on the pack when the going gets steep but still substantial enough to blast chunder and float big turns at speed

powder the greatest ski runs on the planet hachette - Jun 13 2023

web nov 11 2014 long descents big verts challenging pistes and stunning scenery powder is the definitive guide to the best and most feared ski runs on the planet whether you re a serious off piste skier or a novice with alpine ambitions this visually stunning guide will undoubtedly inspire the winter olympian in all of us

powder the greatest ski runs on the planet by patrick thorne - Jan 08 2023

web nov 11 2014 powder is the ultimate bucket list for any snowsports enthusiast challenging beginners and experts alike to take on the most breathtaking runs the world has to offer contents include mt st elias alaska whitehorn 2 lake louise canada inferno murren switzerland tortin verbier switzerland aiguille rouge les arcs france klein

powder the top 50 ski runs on the planet lingua i uniport edu - Oct 05 2022

web aug 1 2023 powder the top 50 ski runs on the planet lingua i is available in our book collection an online access to it is set as public so you can get it instantly our digital library hosts in multiple locations allowing you to get the most

7 best powder ski resorts in europe powder skiing ski solutions - Aug 03 2022

web mar 7 2022 1 engelberg switzerland for some of the best powder skiing look no further than engelberg in europe the ski resort has an altitude of 1 050m 3 028m with an impressive snow history for excellent off piste terrain mount titlis is perfectly shady so it holds fresh snow well

powder the top 50 ski runs on the planet lingua i - Apr 30 2022

web powder the top 50 ski runs on the planet lingua i downloaded from retailer bonide com by guest jacoby lane top ski resorts of the world quercus the most impressive thrilling and scenic ski runs from one of the world s leading ski experts long descents big verts challenging pistes and stunning scenery powder is the

powder the greatest ski runs on the planet google books - Jul 14 2023

web may 4 2017 powder the greatest ski runs on the planet patrick thorne google books the most impressive thrilling and scenic ski runs from one of the world s leading ski experts long

powder the top 50 ski runs on the planet calgary public library - Mar 10 2023

web powder the top 50 ski runs on the planet patrick thorne foreword by axel naglich

powder the top 50 ski runs on the planet lingua i uniport edu - Jul 02 2022

web jul 31 2023 powder the top 50 ski runs on the planet lingua i 1 1 downloaded from uniport edu ng on july 31 2023 by guest powder the top 50 ski runs on the planet lingua i this is likewise one of the factors by obtaining the soft documents of this powder the top 50 ski runs on the planet lingua i by online

powder the top 50 ski runs on the planet lingua i pdf - Aug 15 2023

web aug 18 2023 powder the top 50 ski runs on the planet lingua i 1 5 downloaded from uniport edu ng on august 18 2023 by guest powder the top 50 ski runs on the planet lingua i this is likewise one of the factors by obtaining the soft documents of this powder the top 50 ski runs on the planet lingua i by online

powder the top 50 ski runs on the planet lingua i uniport edu - Apr 11 2023

web jun 25 2023 you to see guide powder the top 50 ski runs on the planet lingua i as you such as by searching the title publisher or authors of guide you in point of fact want you can discover them rapidly

pdf powder the top 50 ski runs on the planet lingua i pdf - Sep 04 2022

web may 13 2023 powder the top 50 ski runs on the planet lingua i pdf is available in our book collection an online access to it is set as public so you can download it instantly

powder the greatest ski runs on the planet ciltli kapak - Dec 07 2022

web powder the greatest ski runs on the planet thorne patrick amazon com tr kitap

powder the top 50 ski runs on the planet lingua i pdf pdf - Feb 26 2022

web jun 28 2023 powder the top 50 ski runs on the planet lingua i pdf recognizing the habit ways to get this ebook powder the top 50 ski runs on the planet lingua i pdf is additionally useful you have remained in right site to begin getting this info acquire the powder the top 50 ski runs on the planet lingua i pdf join that we meet the expense

powder the top 50 ski runs on the planet lingua i pdf pdf - Mar 30 2022

web jun 27 2023 what you craving currently this powder the top 50 ski runs on the planet lingua i pdf as one of the most keen sellers here will no question be in the midst of the best options to review powder the top 50 ski runs on the planet lingua i pdf web oct 20 2022 powder the top 50 ski runs on the planet lingua i partner that we manage to

where to find the best powder skiing in the world 57hours - Dec 27 2021

web no one knows where to find the best powder better than acmg ski guide and 57hours ambassador greg hill find out what he considers to be the ten best places for backcountry skiing in the world

powder the greatest ski runs on the planet google books - May 12 2023

web oct 7 2014 the most impressive thrilling and scenic ski runs in the world powder is the definitive guide to the top ski and snowboard locations this comprehensive and visually stunning feast of snow bound derring do showcases the very best and most feared descents in the world

powder the top 50 ski runs on the planet lingua i pdf - Jun 01 2022

web jul 5 2023 reach not discover the declaration powder the top 50 ski runs on the planet lingua i that you are looking for it will unconditionally squander the time however below next you visit this web page it will be therefore unconditionally

simple to get as competently as download guide powder the top 50 ski runs on the planet lingua i

powder the greatest ski runs on the planet goodreads - Jan 28 2022

web powder is the definitive guide to the world s top ski and snowboard locations this comprehensive and visually stunning feast of snow bound derring do showcases the very best and most feared descents in the world

powder the greatest ski runs on the planet google books - Feb 09 2023

web oct 7 2014 powder the greatest ski runs on the planet patrick thorne google books powder is the definitive guide to the world s top ski and snowboard locations this comprehensive and visually stunning feast of snow bound derring do showcases the very best and most feared descents in the world