

VX-450 Series

VHF Band Service Manual

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Introduction

This manual provides the technical information necessary for servicing the VX-450 Series Transceiver.

Servicing this equipment requires expertise in handling surface-mount chip components. Attempts by non-qualified persons to service this equipment may result in permanent damage not covered by the warranty, and may be illegal in some countries.

Two PCB layout diagrams are provided for each double-sided board in this transceiver. Each side of the board is referred to by the type of the majority of components installed on that side ("Side A" or "Side B"). In most cases one side has only chip components (surface-mount devices), and the other has either a mixture of both chip and leaded components (trimmers, coils, electrolytic capacitors, ICs, etc.), or leaded components only.

As described in the pages to follow, the advanced microprocessor design of the VX-450 Series Transceiver allows a complete alignment of this transceiver to be performed without opening the case of the radio; all adjustments can be performed from the front panel, using the "Alignment Mode" menu.

While we believe the information in this manual to be correct, VERTEX STANDARD assumes no liability for damage that may occur as a result of typographical or other errors that may be present. Your cooperation in pointing out any inconsistencies in the technical information would be appreciated.



16 key Type



4 key Type



Non-key Type

Important Note

This transceiver was assembled using Pb (lead) free solder, based on the RoHS specification.

Only lead-free solder (Alloy Composition: Sn-3.0Ag-0.5Cu) should be used for repairs performed on this apparatus. The solder stated above utilizes the alloy composition required for compliance with the lead-free specification, and any solder with the above alloy composition may be used.

Contents

Specifications	2
Exploded View & Miscellaneous Parts	4
16 key & 4 key Type	4
Non-key Type	5
Parts List	6
Block Diagram	7
16 key & 4 key Type	7
Non-key Type	11

Circuit Description	15
Alignment	18
Board Units (Schematics & Layouts)	
MAIN Unit (16 key & 4 key Type)	32
MAIN Unit (Non-key Type)	41
Display Unit (16 key & 4 key Type)	47

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- Chapter 2: Essential Elements of Vertex Vx 400 Operators Manual
- Chapter 3: Vertex Vx 400 Operators Manual in Everyday Life
- Chapter 4: Vertex Vx 400 Operators Manual in Specific Contexts
- Chapter 5: Conclusion

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6. In chapter 5, this book will draw a conclusion about Vertex Vx 400 Operators Manual. The final chapter will summarize the key points that have been discussed throughout the book.

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Table of Contents Vertex Vx 400 Operators Manual

1. Understanding the eBook Vertex Vx 400 Operators Manual
 - The Rise of Digital Reading Vertex Vx 400 Operators Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Vertex Vx 400 Operators 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 Vertex Vx 400 Operators Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Vertex Vx 400 Operators Manual
 - Personalized Recommendations
 - Vertex Vx 400 Operators Manual User Reviews and Ratings
 - Vertex Vx 400 Operators Manual and Bestseller Lists
5. Accessing Vertex Vx 400 Operators Manual Free and Paid eBooks
 - Vertex Vx 400 Operators Manual Public Domain eBooks
 - Vertex Vx 400 Operators Manual eBook Subscription Services
 - Vertex Vx 400 Operators Manual Budget-Friendly Options
6. Navigating Vertex Vx 400 Operators Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Vertex Vx 400 Operators Manual Compatibility with Devices
 - Vertex Vx 400 Operators Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Vertex Vx 400 Operators Manual
 - Highlighting and Note-Taking Vertex Vx 400 Operators Manual
 - Interactive Elements Vertex Vx 400 Operators Manual
8. Staying Engaged with Vertex Vx 400 Operators Manual

- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Vertex Vx 400 Operators Manual
9. Balancing eBooks and Physical Books Vertex Vx 400 Operators Manual
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Vertex Vx 400 Operators Manual
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Vertex Vx 400 Operators Manual
- Setting Reading Goals Vertex Vx 400 Operators Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Vertex Vx 400 Operators Manual
- Fact-Checking eBook Content of Vertex Vx 400 Operators 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

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