

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

Vx 5 Manual

Julia Schneider



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Table of Contents Vx 5 Manual

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 - The Rise of Digital Reading Vx 5 Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Vx 5 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 Vx 5 Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Vx 5 Manual
 - Personalized Recommendations
 - Vx 5 Manual User Reviews and Ratings
 - Vx 5 Manual and Bestseller Lists
5. Accessing Vx 5 Manual Free and Paid eBooks

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